SHARP SERVICE MANUAL

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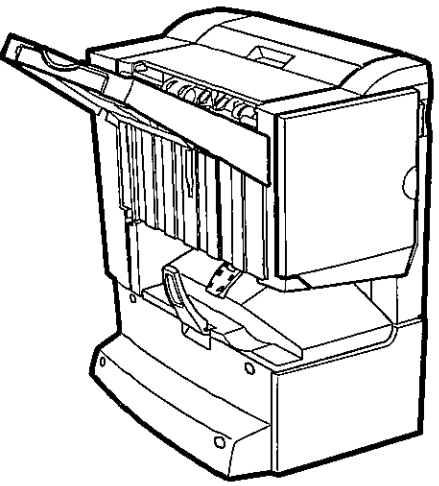

DIGITAL FULL COLOR COPIER/PRINTER/ MULTIFUNCTIONAL SYSTEM OPTION

SADDLE STITCH FINISHER

MODEL AR-F13 AR-PN1

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PARTS GUIDE

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

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The contents are subject to change without notice.

[1] INTRODUCTION

1. Product outline

This unit is installed to the following machines to perform the after-process of output paper from a printer, a copier, or a fax machine.

1) Employment of the through-type stapler
   Employment of the through-type stapler allows to make saddle stitch by one stapler.
2) 3 kinds of auto staple functions
   There are 3 staple positions available. (One position in the front, one position at the back, 2 positions at the center)
3) Saddle stitch function
   Up to 10 sheets of paper can be stapled at the center and folded into two and discharged.
4) Punch function (Option)
   By installation of a puncher unit, paper can be punched to make holes for a binder. (Applicable for 64 - 128g/m². OHP films cannot be used.)

Applicable models	AR-C260/C260M

2. Configuration

1. Before installation of this unit, the large-capacity paper feed tray (AR-LC5) or the 1-stage paper feed desk (AR-D17) or the 3-stage paper feed desk (AR-D18) or the duplex 2-stage duplex paper feed desk (AR-D19) must be installed in advance.
2. When installing this unit, the duplex pass and reverse unit (AR-PB1) must be installed together.
3. This unit cannot be installed with the sorter (AR-S11) together.

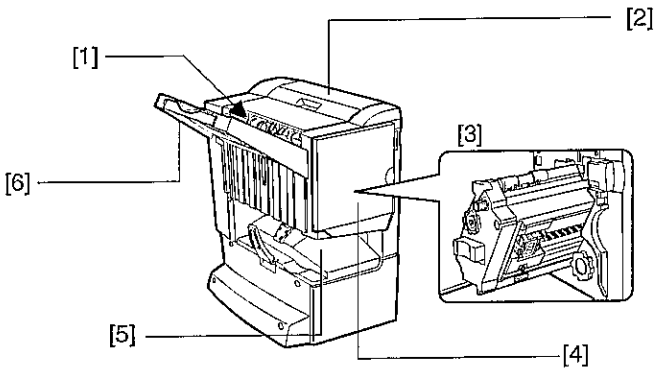
3. Specifications

Model	AR-F13	
Type	2-bin type saddle stitch finisher	
Mount type	Floor type	
Conditions	The paper feed desk and the reverse bypass module must be installed in advance.	
Reverse section	None (Reverse bypass module takes this section.)	
Transport speed	Color: 25 sheets/min.; B/W: 32 sheets/min. (LT), 33 sheets/min. (A4)	
Transport alignment	Center alignment	
	Upper tray	Lower tray
Tray type	Offset tray	Book tray for saddle stitch
Capacity of paper exit and load	1,000 sheets: A4/8.5" x 11"/B5: 80 g/m² (Capacity varies depending on the user circumstance or paper condition.) 500 sheets: Larger size than A4/ 8.5" x 11", invoice, A5, A4R	10 sheets x 10 sets (80 g/m²)
Paper exit direction	Face-up/face-down	Face-down

Paper size to be discharged	Face-up Any paper available. (Offset is not available for A3 Wide (12x18), OHP, postcard, envelope, A5R and special.) Face-down A3 wide (12" x 18") A3, B4, A4, A4R, B5, B5R, 8K, 16K, 16KR 11" x 17", 8.5" x 14", 8.5" x 13", 8.5" x 11", 8.5" x 11"R, 5.5" x 8.5", 7.25 x 10.5R (Offset is not available for A3 Wide (12 x 18).)	A3, B4, A4R, 11"x17 8.5"x11"R, 8.5"x14
Paper weight to be discharged	Face-up 64 to 300 g/m²/ 17 to 80 lbs. Face-down 64 to 200 g/m²/ 17 to 55 lbs.	64 to 105 g/m²/ 17 to 28 lbs.
Remaining paper detection	Provided	Provided
Discharged paper full detection	Provided	Provided
Offset function	Provided (25mm)	N/A
Paper size which can be stapled	two positions: A3, B4, A4, B5, 11" x 17", 8.5" x 11", 8K, 16K, Legal, Letter-R, A4R one at the back: A3, B4, A4, A4R, B5, 11" x 17", 8.5" x 14", 8.5" x 13", 8.5" x 11", 8.5" x 11"R, 8K, 16K, 16KR	A3, B4, A4R, 11" x 1 8.5" x 11"R, 8.5" x 1
Quantity of paper to be stapled (max.)	30 sheets (A4/LT: 80 g/m²) Target: 50 sheets (A4: MI paper, M paper)	10 sheets (A4/LT: 80 g/m²)
Stapling	One at the back, two positions (one in the front)	Center stapling, cent folding
Stacking	Horizontal dislocation: Within 20 mm Vertical dislocation: Within 50 mm (at offset-staple) Alignment does not matter for non-offset and 750 sheets or above.	
Alignment (max. misalignment)	Within 2.5 mm (Nominal) (at offset-staple)	
Staple standard	Face-down standard	Face-down standard
Staple supply	Refill type	
Staple detection	Staple empty detection: Provided	
	Cartridge empty detection: Provided	
	Staple jam detection: Provided	
Power consumption	45W or below	
Power supply	Supplied from the main unit (paper feed desk (DC 24V, 2.7A) DC 5V	
External dimensions (W x D x H)	728 x 603 x 1,000 (mm)	
Weight	Approx. 39 kg	
Communication type	Serial communication	
Option detection	Automatic detection	

[2] EXTERNAL VIEWS AND INTERNAL STRUCTURES

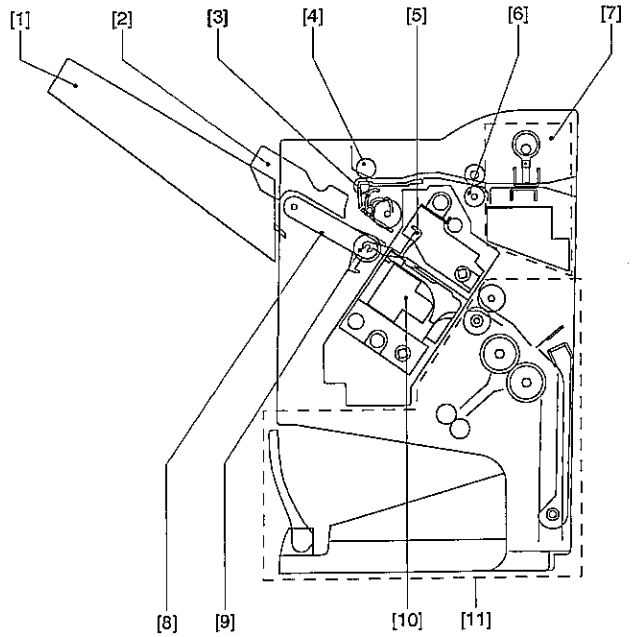
1. External view



[1]	Stapler compiler
[2]	Top cover
[3]	Stapler section
[4]	Front cover
[5]	Saddle stitch tray
[6]	Offset tray

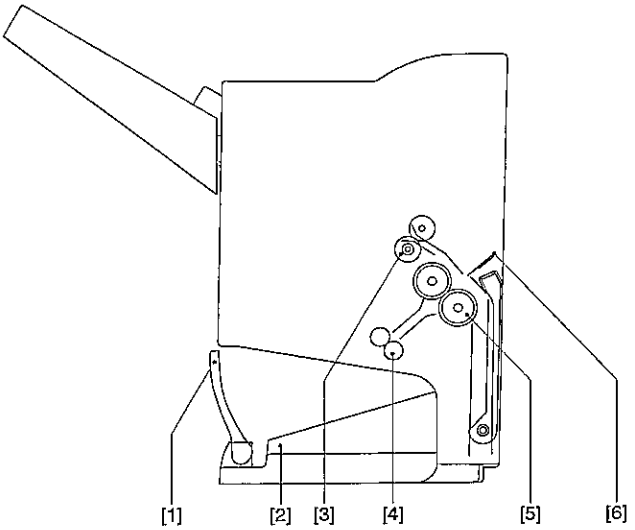
2. Internal structure

A. Finisher section



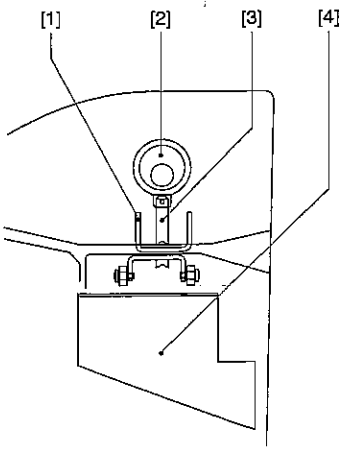
[1]	Paper exit tray
[2]	Alignment plate (Front, back)
[3]	Paddle
[4]	Paper exit roller
[5]	Process tray stopper
[6]	Transport roller
[7]	Puncher section (Option)
[8]	Paper exit belt
[9]	Bundle exit roller
[10]	Stapler
[11]	Saddle section

B. Saddle section



[1]	Book making stopper
[2]	Book making tray
[3]	Bundle transport roller
[4]	Book making exit roller
[5]	Paper folding roller
[6]	Paper pushing plate

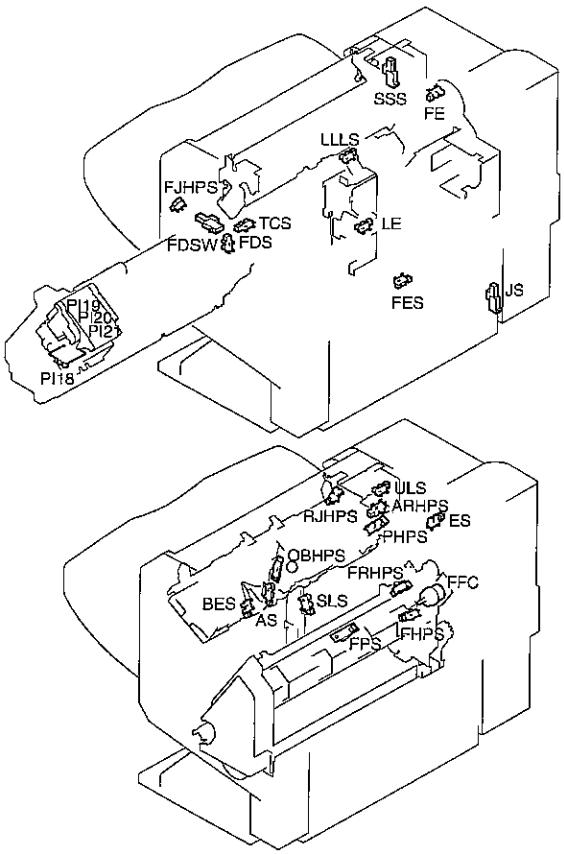
C. Puncher section (Option: AR-PN11)



[1]	Dice
[2]	Cam
[3]	Punch
[4]	Punch dust box

3. Finisher and saddle section

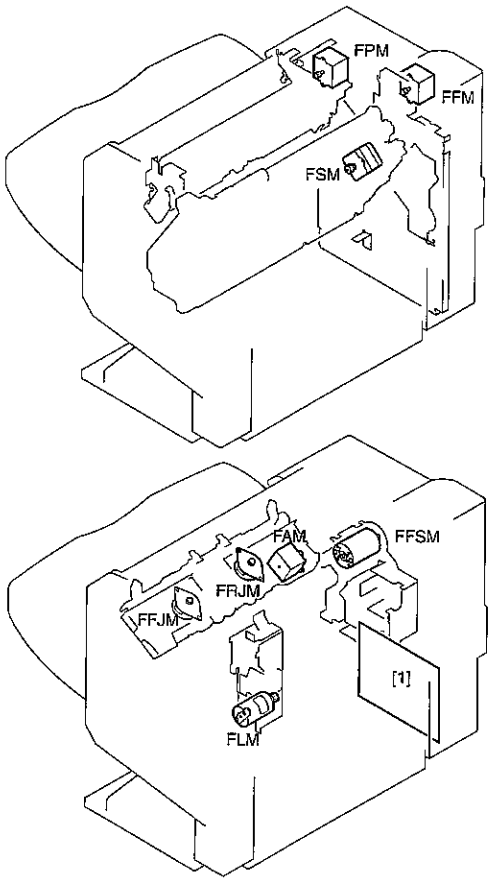
A. Sensor



Code	Name	Active condition	Remark
ES	Entry sensor	Paper detected : "H"	
PHPS	Paddle home position sensor	Paddle HP : "H"	
ARHPS	Bundle roller home position sensor	Oscillation guide HP : "H"	
FJHPS	Alignment home position sensor (front)	Alignment tray (F) HP : "H"	
RJHPS	Alignment home position sensor (rear)	Alignment tray (R) HP : "H"	
AS	Alignment tray sensor	Paper detected : "H"	
OBHPS	Exit belt home position sensor	Paper exit belt HP : "H"	
BES	Tray paper sensor	Tray paper detected : "H"	
SLS	Paper level sensor	Paper detected : "H"	
FPS	Bookbinding position sensor	Paper detected : "L"	
FHPS	Bookbinding home position sensor	Folding operation HP : "L"	
FRHPS	Bookbinding roller HP sensor	Bundle transport roller HP : "H"	
FES	Bookbinding paper sensor	Paper detected : "H"	
FE	Bookbinding clock sensor		
ULS	Lift upper sensor	Tray upper limit detected : "H"	
LLLS	Lift lower sensor	Tray lower limit detected : "H"	
LE	Lift lock sensor		
SHPS	Slide home position sensor	Stapler HP : "H"	
STHPS	Stapler home position sensor	Stapler stapling HP : "L"	

Code	Name	Active condition	Remar
SPS	Self prime sensor	Cartridge staple detected : "L"	
SS	Staple sensor	Stapler cartridge detected : "L"	
FDS	Front door sensor	Front cover open : "H"	
TCS	Upper cover sensor	Upper cover open : "H"	
FDSW	Front door switch	Front door closed : "H"	
JS	Joint switch	Printer connected : "H"	
SSS	Stapler safety switch	Oscillation guide closed : "H"	

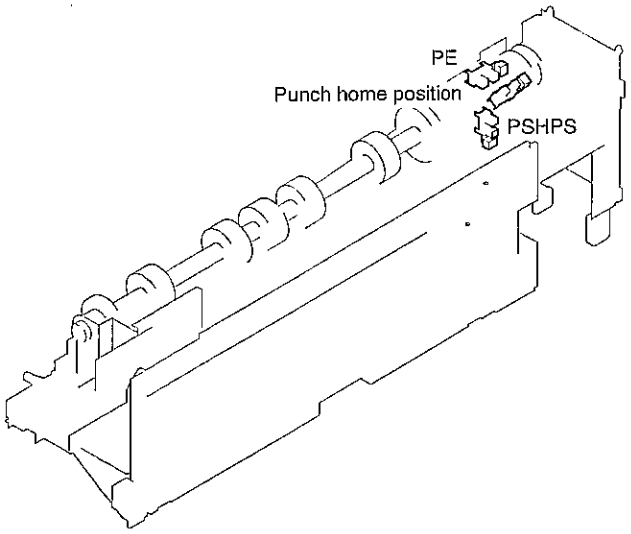
B. Motor and PWB



Code	Name	Active condition	Remark
FFM	Transport motor	Paper transport	
FPM	Paddle motor	Oscillation guide drive, paper exit to offset tray	
FAM	Bundle exit motor	Paper exit operation	
FFJM	Alignment motor (front)	Alignment plate (F) drive	
FRJM	Alignment motor (rear)	Alignment plate (R) drive	
FLM	Shift motor	Paper exit tray up/down	
FFSM	Stapler/Fold motor	Stapling/paper folding	
FSM	Slide motor	Staple unit sliding	

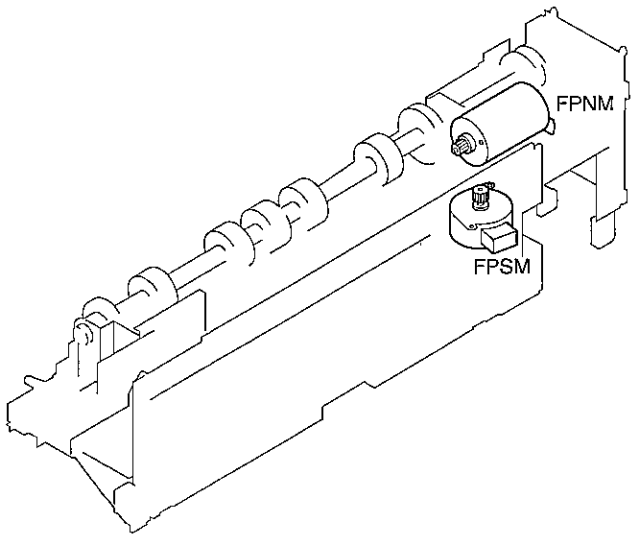
4. Puncher section (AR-PN1)

A. Sensor



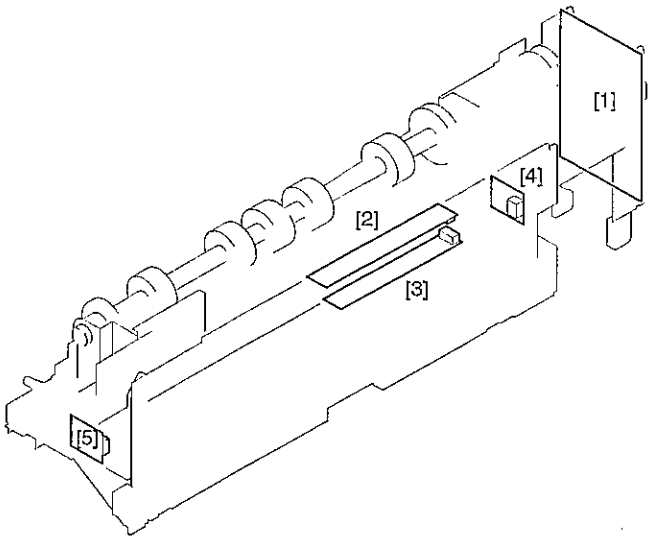
Code	Name	Active condition	Remark
	Punch home position sensor	Punch HP detected:"L"	In the punch unit
PSHPS	Punch side home position	Punch slide unit HP detected:"H"	In the punch unit
PE	Punch dust sensor		In the punch unit

B. Motor



Code	Name	Active condition	Remark
FPNM	Punch motor	Punch drive	
FPSM	Punch side motor	Punch slide unit transverse move	

C. PWB



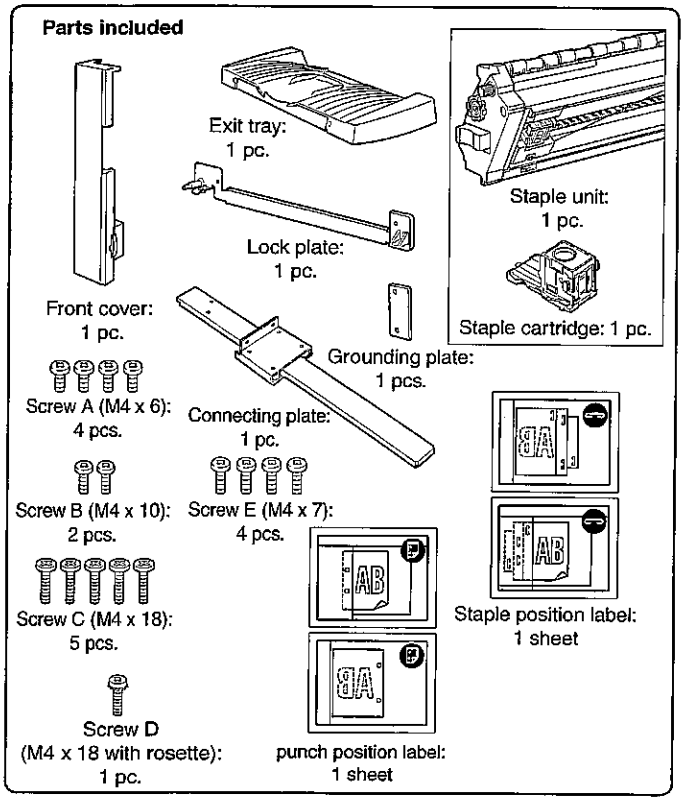
Code	Name
[1]	Punch driver PWB
[2]	Side resist photo sensor PWB
[3]	Side resist LED PWB
[4]	Dust full photo sensor PWB
[5]	Dust full LED PWB

[3] UNPACKING AND INSTALLATION

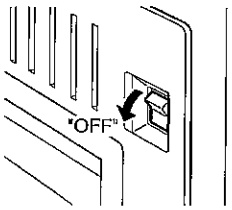
1. AR-F13

<Before installation>

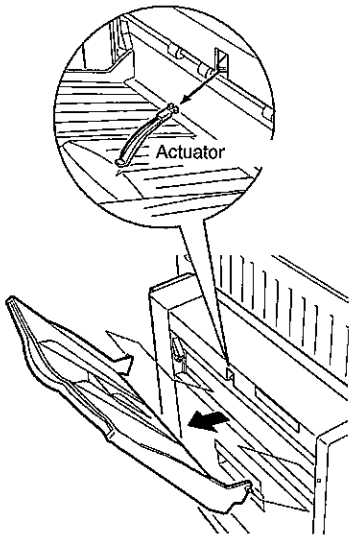
- Start installation after checking that the DATA indicator on the operation panel is neither lit nor blinking.
- For installation of AR-F13, an optional stand (AR-D17, AR-D18 or AR-D19) and a duplex bypass/inverter unit (AR-RB1) must have been installed.
- Ensure that the connecting plate on the front of the optional stand and the two supplied connection plates are securely attached.


Parts included
Exit tray: 1 pc.
Staple unit: 1 pc.
Lock plate: 1 pc.
Front cover: 1 pc.
Staple cartridge: 1 pc.
Grounding plate: 1 pcs.
Screw A (M4 x 6): 4 pcs.
Connecting plate: 1 pc.
Screw B (M4 x 10): 2 pcs.
Screw E (M4 x 7): 4 pcs.
Staple position label: 1 sheet
Screw C (M4 x 18): 5 pcs.
Screw D (M4 x 18 with rosette): 1 pc.
punch position label: 1 sheet

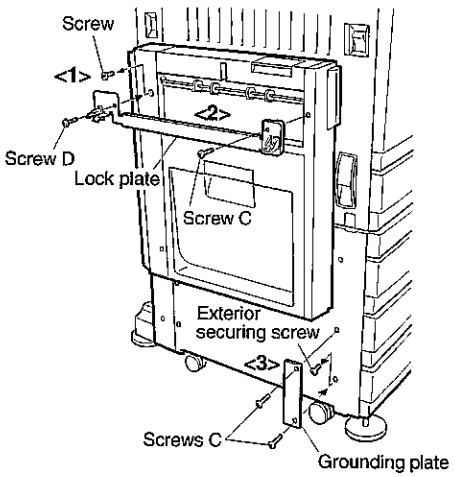
1) Turn off the main switch.
   <1> Turn the main switch located at the left side of the main unit to the "OFF" position.
   <2> Remove the power plug from the outlet.



2) Remove the actuator.
   <1> While holding the base of the exit actuator of the duple bypass/inverter unit with one hand, pull the end of the ex actuator with the other hand to remove the actuator.
   <2> If the exit tray is installed to the duplex bypass/inverter un remove it.



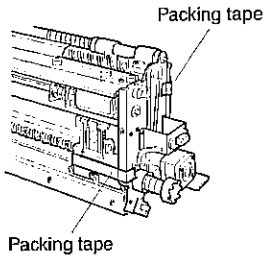
3) Attach the lock plate and the grounding plate.
   <1> Remove the screw from the rear side of the duplex bypass inverter unit.
   <2> Put the lock plate to the duplex bypass/inverter unit an attach it with screw C on the front side and with screw D o the rear side.
   <3> Remove the exterior securing screw, put the two groundin plates to the main unit, and secure them with screws C (tw for each).
   * At this time, attach the front grounding plate so that marking F i positioned up.



4) Attach the staple unit to the finisher.

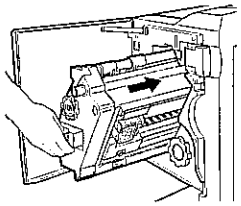
<1> Open the front cover of the saddle finisher.

<2> Remove the two pieces of packing tape from the staple unit.



<3> Hold the handle and the bottom side of the staple unit, and insert the unit into the saddle finisher.

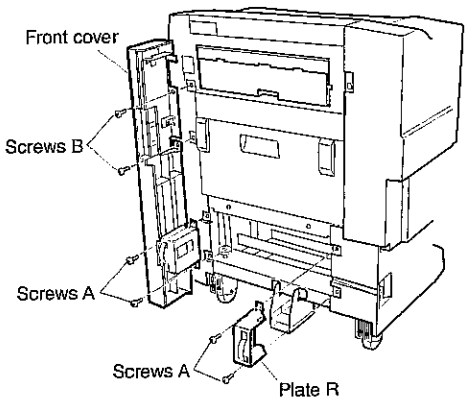
<4> Close the front cover of the saddle finisher.



5) Attach the front cover to the saddle finisher.

<1> Put the plate R to the saddle finisher so that marking R is positioned up and then secure the plate with two screws A.

<2> Put the front cover to the saddle finisher as shown in the illustration and secure the cover with two screws B at the upper part and two screws A at the lower part (four screws in total).

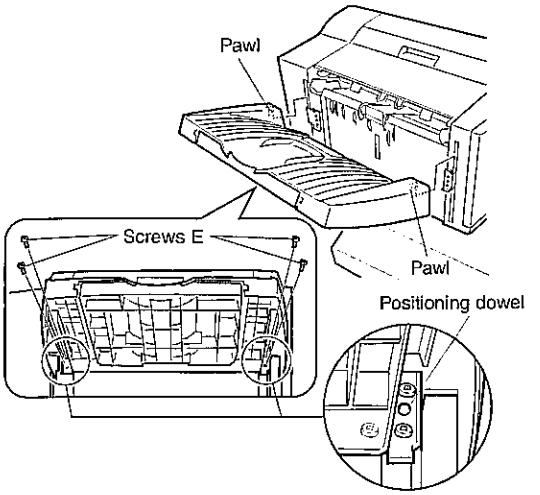


6) Attach the exit tray to the saddle finisher.

<1> Put the two pawls of the exit tray onto the saddle finisher.

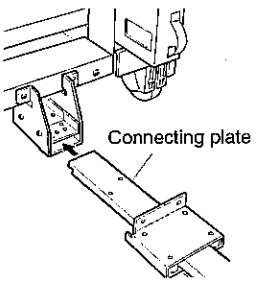
<2> Secure the exit tray with four screws E.

At this time, ensure that the positioning dowel is securely inserted.

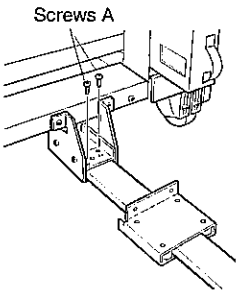


7) Attach the connecting plate to the saddle finisher.

<1> Insert the connecting plate into the sheet metal at the lower part of the saddle finisher.



<2> Secure the connecting plate to the saddle finisher with two screws A.

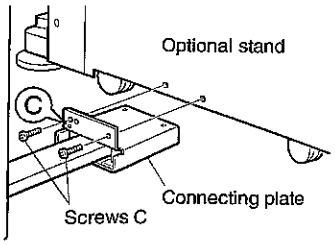


8) Connect the saddle finisher to the main unit.

<1> Move the saddle finisher toward the left (exit area) of the main unit.

<2> Position the connecting plate that has been attached to the saddle finisher to the two holes at the lower left of the optional stand, and secure it with two screws C.

At this time, attach the rear screw to the hole with marking C.



9) Adjust the height of the saddle finisher.

<1> Move the saddle finisher close to the main unit.

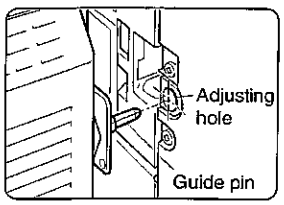
<2> Ensure that the guide pin of the lock plate that has been attached to the duplex bypass/inverter unit is inserted smoothly into the connecting hole of the saddle finisher.

* If the guide pin should not inserted smoothly, adjust it using the procedure described below.

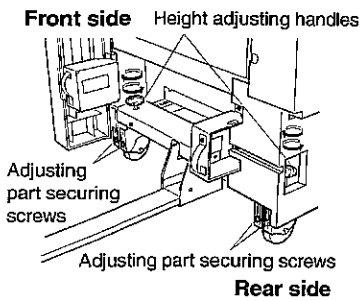
A. If the connecting hole of the saddle finisher is deviated from the guide pin of the lock plate:

<1> Loosen the two adjusting part securing screws at the rear of saddle finisher stand section.

<2> Turn the rear height adjusting handle so that the height of the guide pin matches with the height of the center of the connecting hole.



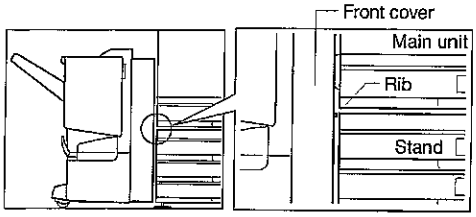
<3> Loosen the two adjusting part securing screws at the front of the saddle finisher stand section.



<4> Turn the front height adjusting handle so that the height the top of the rib on the front cover matches with the heigh the top of the stand.

<5> Tighten the adjusting part securing screws (two for each front and rear).

<6> Carry out work B. (next page)



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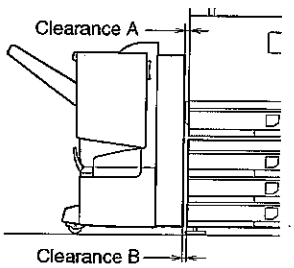
B: If the connecting hole of the saddle finisher matches with the gui pin of the lock plate:

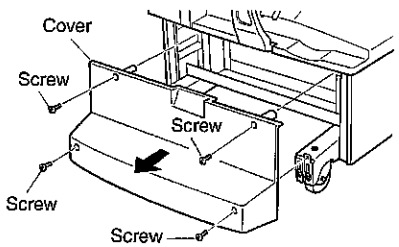
<1> Push the saddle finisher toward the main unit.

<2> Check the clearance between the saddle finisher and t main unit at the upper and lower parts.



• If clearance A is not equal to clearance B:

<1> Remove the four screws that secure the cover of the sadd finisher stand and remove the cover.

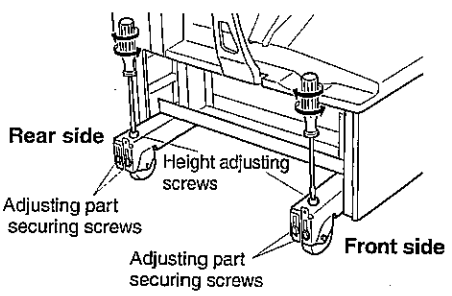


<2> Loosen the adjusting part securing screws (two for each front and rear).

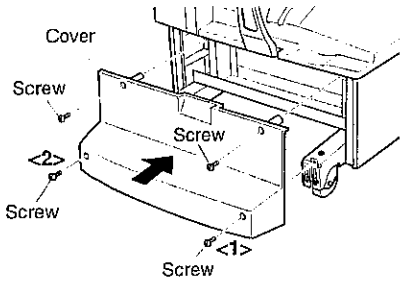
<3> Turn the height adjusting screws (one for each of front an rear) respectively so that clearance A becomes equal t clearance B.

<4> Check that clearance A and clearance B are uniform both a the front and at the rear.

<5> Tighten the adjusting part securing screws (two for each front and rear).



<6> Reattach the removed cover so that the four securing bosses of the cover are inserted into the four positioning holes and then tighten the four screws in the order of <1> and <2> shown in the illustration to secure the cover.

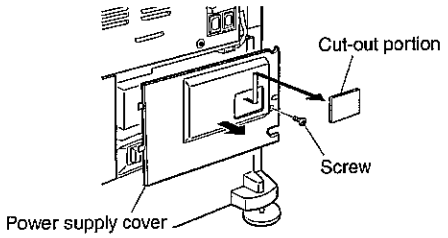


10) Connect the connector of the saddle finisher.

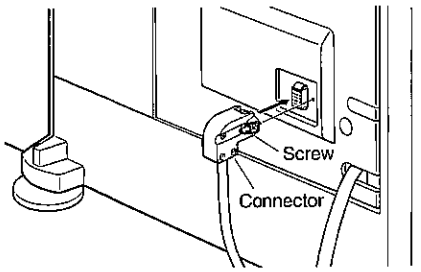
<1> Remove the screw that secures the power supply cover at the rear face of the stand and remove the power supply cover.

<2> Cut out the portion of the power supply cover shown in the illustration.

<3> Secure the power supply cover to the rear cabinet.



<4> Connect the connector for connecting the saddle finisher to the connector on the stand and secure it with the screw on the connector.



If another peripheral device must be installed, carry out the following steps at the end of the installation work.

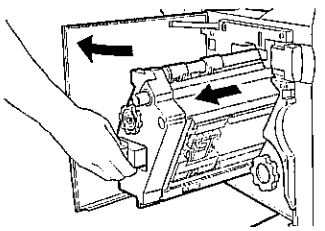
11) Move the staple unit of the saddle finisher to the cartridge insertion position.

<1> Insert the power plug of the main unit to the outlet and turn on the main switch.

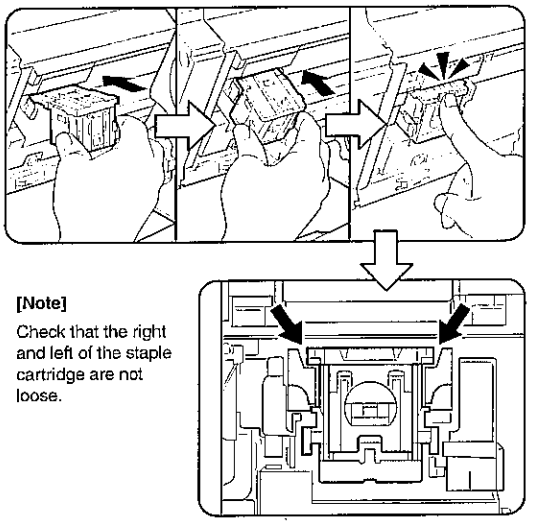
<2> Wait for some time until the initial operation of the saddle finisher is complete.

12) Set the staple cartridge to the staple unit.

<1> Open the front cover of the saddle finisher and pull out the staple unit.



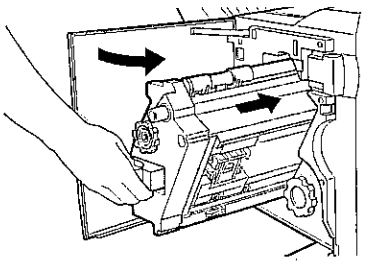
<2> Push the staple cartridge securely into the staple section until it clicks.



[Note]
Check that the right and left of the staple cartridge are not loose.

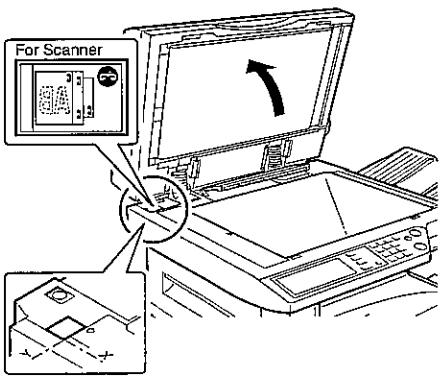
13) Attach the staple unit to the finisher.

Insert the staple section and close the front cover of the finisher.

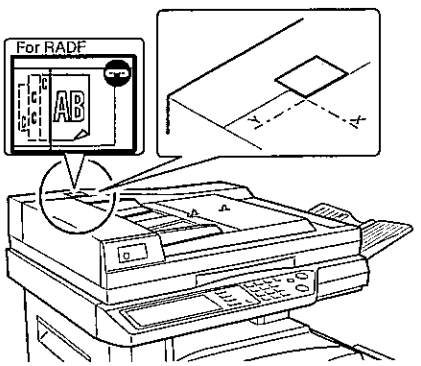


14) Paste the staple position label.

Open the front cover and paste staple position label A to the position shown in the illustration.



If the B/W scanner module/DSPF is attached, paste staple position label B to the position on the B/W scanner module/DSPF shown in the illustration.



2. AR-PN1

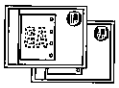
<Before installation>

For installation of AR-PN1A/PN1B/PN1C/PN1D, a saddle stitch finisher (AR-FN13) must have been installed.

Parts included

Harness A (purple): 1 pc.

Harness B (orange): 1 pc.



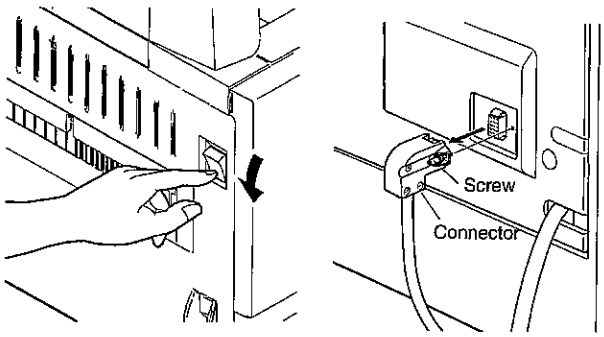
Hole punch position label*: 2 sheets

* Will not be used. Use the hole punch position labels packed in AR-F13.

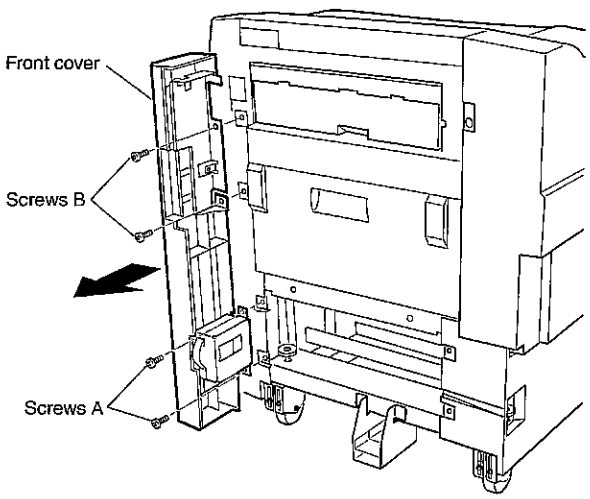
Screw (M4 x 6 with rosette) : 1 pc.

Dust box label: 1 sheet

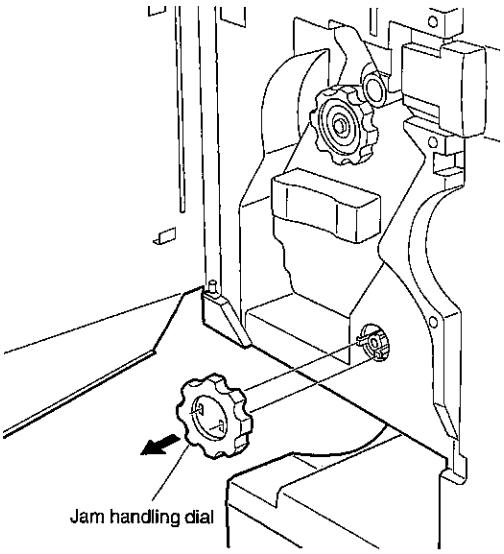
1) Turn off the main switch of the main unit of the printer.
   <1> Turn the main switch located on the front side of the main unit to the "OFF" position.
   <2> Then remove the power plug of the main unit from the outlet.
   <3> Loosen the screw and remove the connector of the finisher.



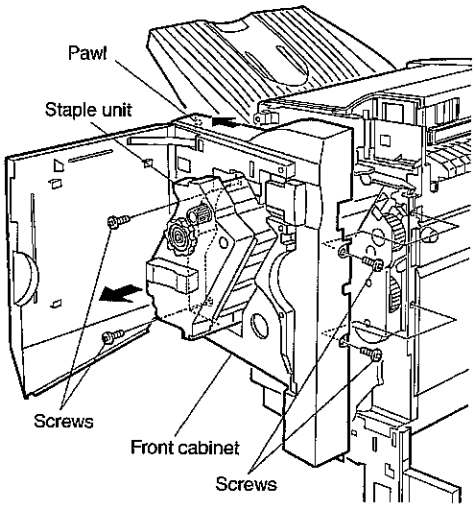
2) Remove the front cover from the right front of the finisher.
   Remove the screws A and B (two for each) that secure the finisher front cover and remove the front cover.



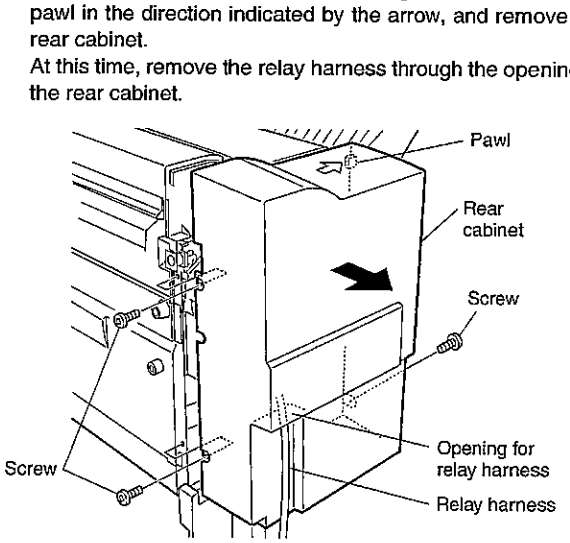
3) Remove the front cabinet and the rear cabinet from the finisher.
   <1> Open the front door of the finisher and remove the jam handling dial.



<2> Remove the four front cabinet securing screws, pull out the staple unit until it stops, then remove the pawl of the front cabinet in the direction indicated by the arrow and remove the front cabinet.

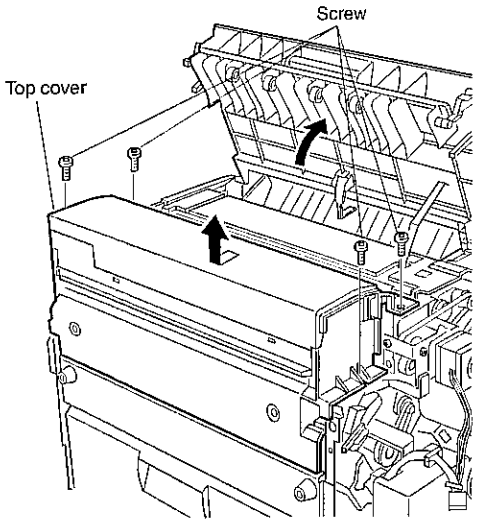


<3> Remove the three rear cabinet securing screws, remove the pawl in the direction indicated by the arrow, and remove the rear cabinet.
At this time, remove the relay harness through the opening of the rear cabinet.

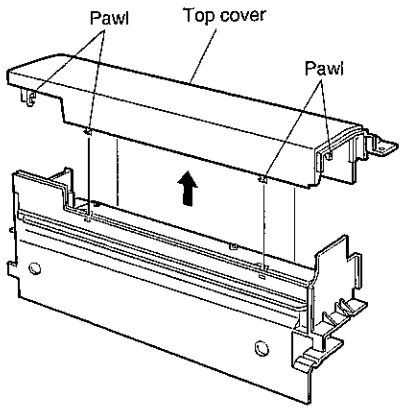


4) Remove the top cover.

<1> Remove the four top cover securing screws and remove the top cover.

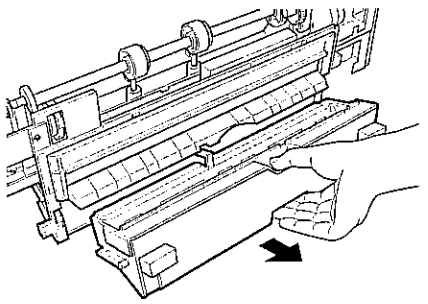


<2> Remove the four pawls from the top cover and separate the cover into the upper and lower portions. Reuse the upper portion.

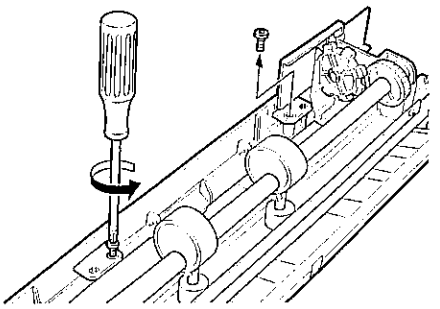


5) Remove the paper-in PG of the punch unit.

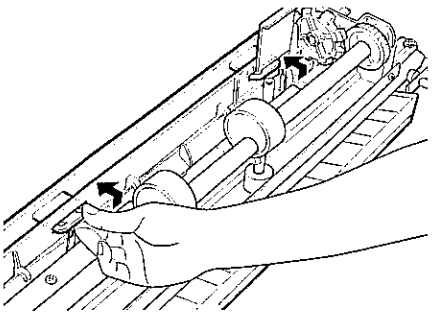
<1> Remove the dust box.



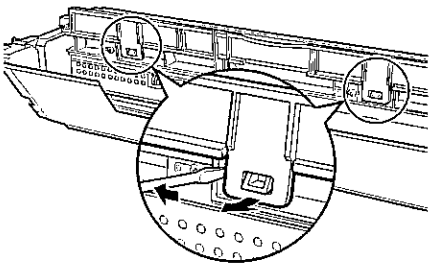
<2> Remove the two paper-in PG securing screws.



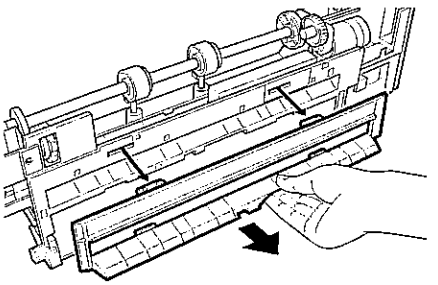
<3> Remove the upper bosses of the paper-in PG.



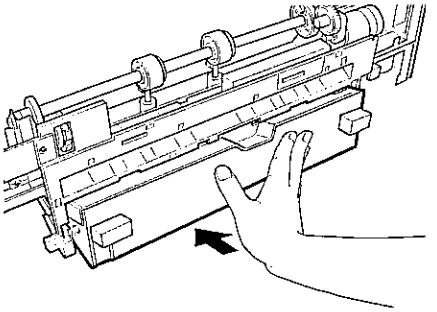
<4> Remove the lower bosses of the paper-in PG with a minus screwdriver etc.



<5> Remove the paper-in PG.



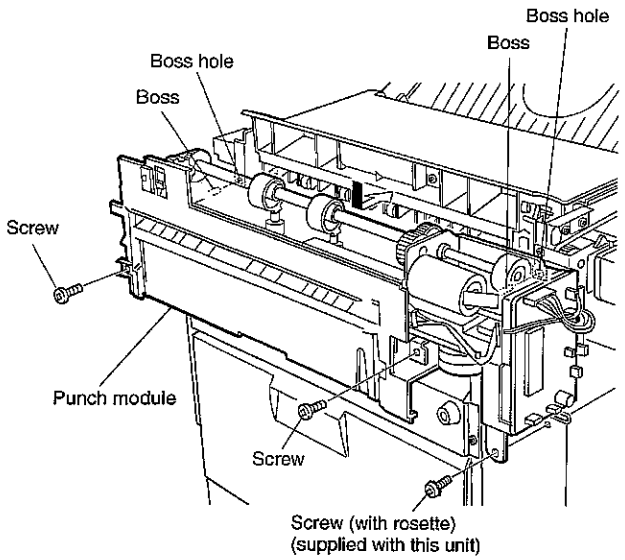
<6> Reattach the dust box.



6) Attach the punch module.

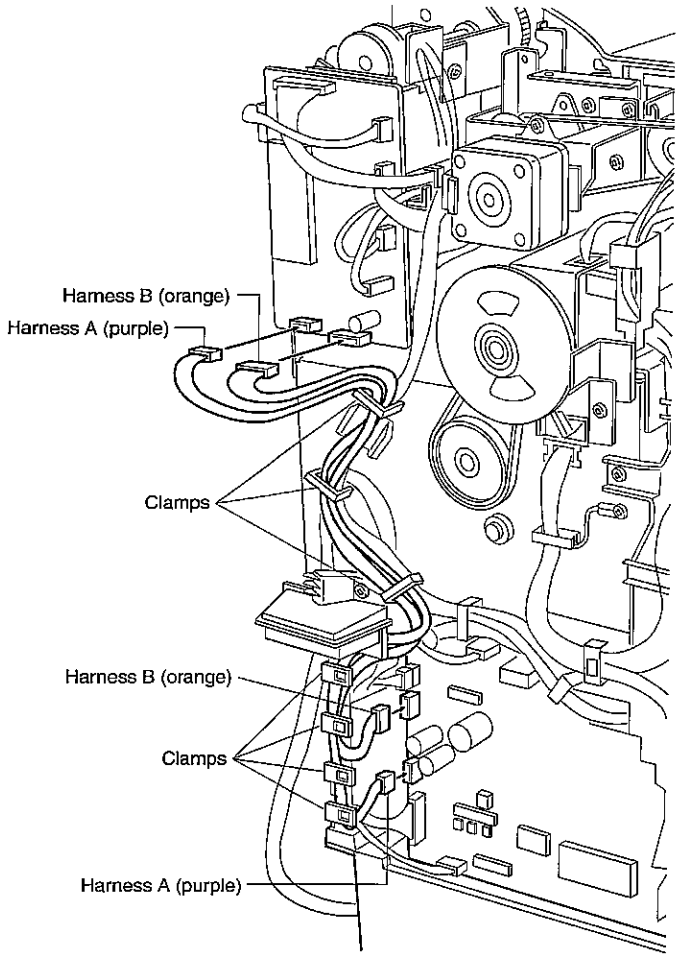
<1> Insert the two bosses of the punch unit into the boss holes of the finisher and fix the punch module using three screws.

Note: For the screws, use a supplied screw and the two screws that have been removed in step 4).



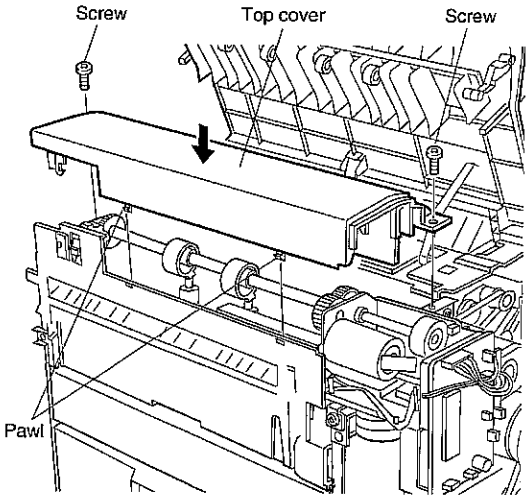
7) Connect the harness of the punch module to the PWB of the finisher.

Remove the clamps that fix the harness, handle the wiring of harness A (purple) and harness B (orange), and fix them with the clamps.

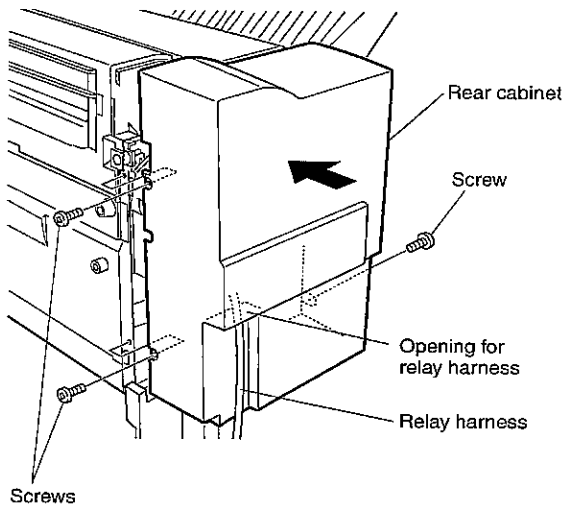


8) Reattach the covers that have been removed.

<1> Hang the two pawls of the top cover and secure them us the two screws.



<2> Pass the relay harness to the rear cabinet and secure t rear cabinet using the three screws.



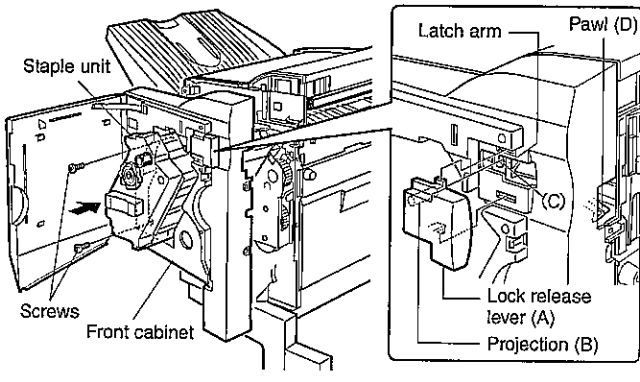
<3> Remove the lock release lever that has been attached to th front cabinet.

Reattach the front cabinet to its original position, push in th staple unit, and attach it using the two screws.

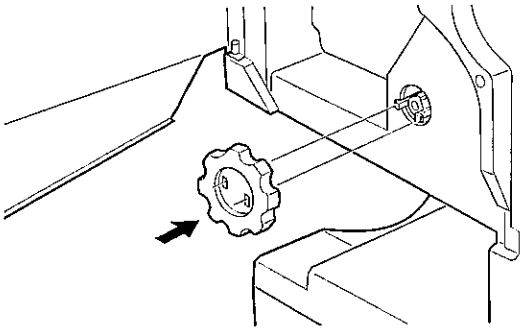
Insert the protrusion (B) of the lock release lever that ha been removed before to the hole (C) of the latch arm.

After attaching it, move the lever to check that it move smoothly.

If the lever does not move smoothly, remove the lock releas lever by releasing the pawl at the lower part of the loc release lever using a flat-blade screwdriver or the like an then insert it again.

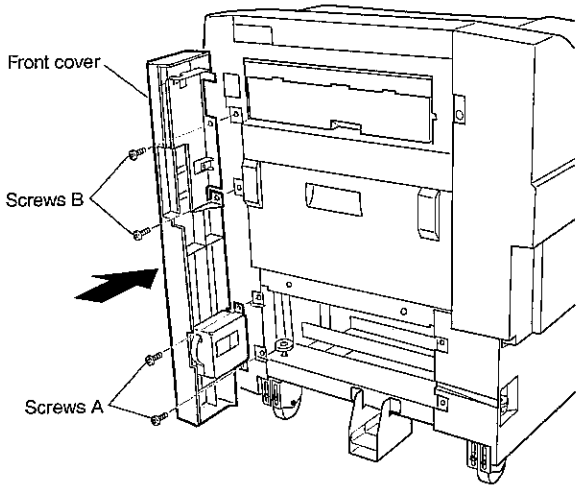


<4> Reattach the jam handling dial and close the front cover.



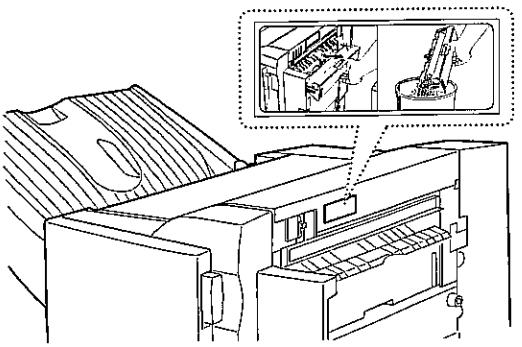
9) Reattach the front cover to the right front of the finisher.

<1> Attach the front cover using the screws A and B (two for each).



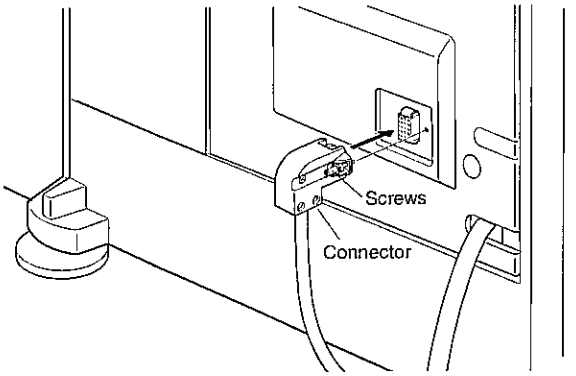
10) Paste the dust box label to the top cover.

<1> Paste the supplied dust box label to the location indicated in the illustration.



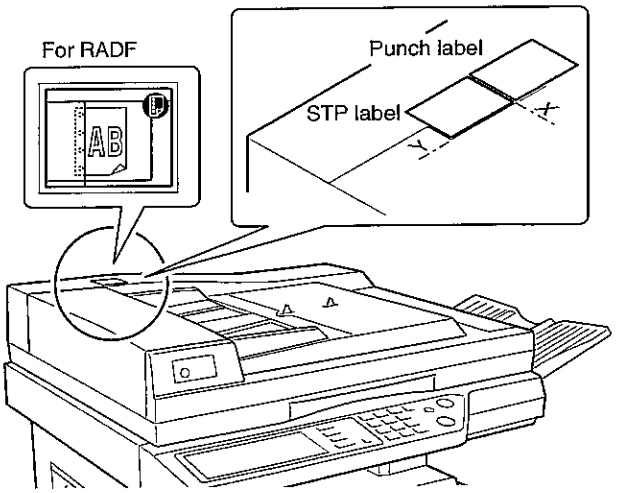
11) Connect the connector to the stand/paper drawer.

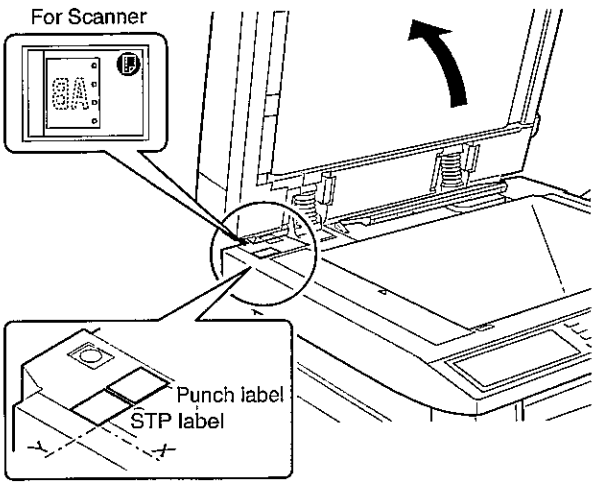
Connect the connector of the relay harness of the finisher to the stand/paper drawer and tighten the screws of the connector.



12) Paste the label.

Paste the label to the position shown in the illustration.





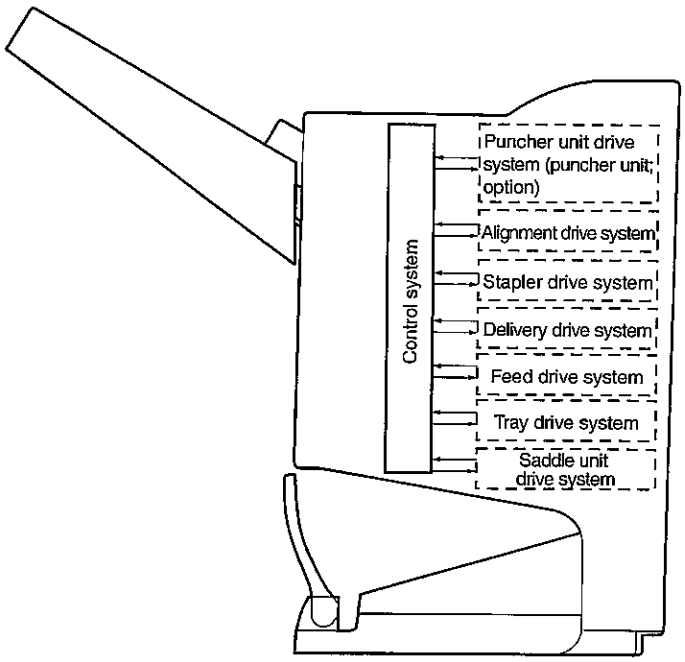
On completion of the installation of the AR-F13 finisher, please change the default output tray of the machine to the top tray of the finisher.

[4] OPERATIONAL DESCRIPTION

1. Basic Operations

A. Specifications

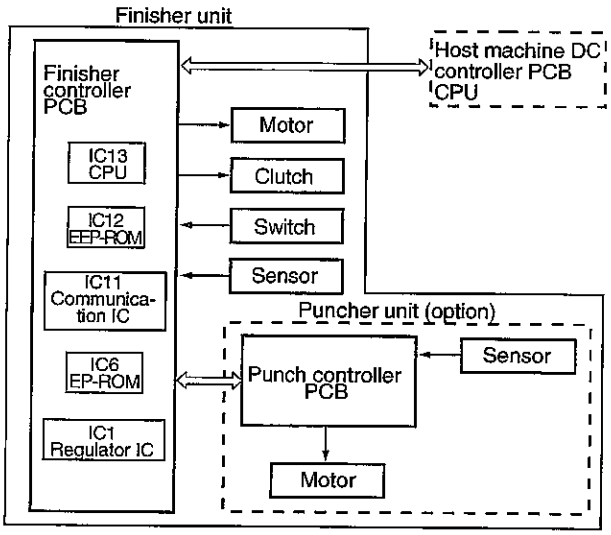
The finisher serves to deliver sheets coming from its host machine. The mode of delivery may be non-sort stack, job offset*, or staple delivery.
The saddle unit built into the finisher is used to fold a stack of sheets coming from the finisher unit in half for delivery.
All these operations are controlled by various commands sent by the host machine in addition to the commands from the finisher controller PCB.
The puncher unit (option) is designed for installation to the pickup assembly of the finisher, and is used to punch holes in sheets coming from the host machine.
The above operations are controlled with various commands from the finisher controller PCB as well as the commands from the punch controller PCB.



NOTE:The position of delivery is shifted to the front/rear for each stack to assist sorting.

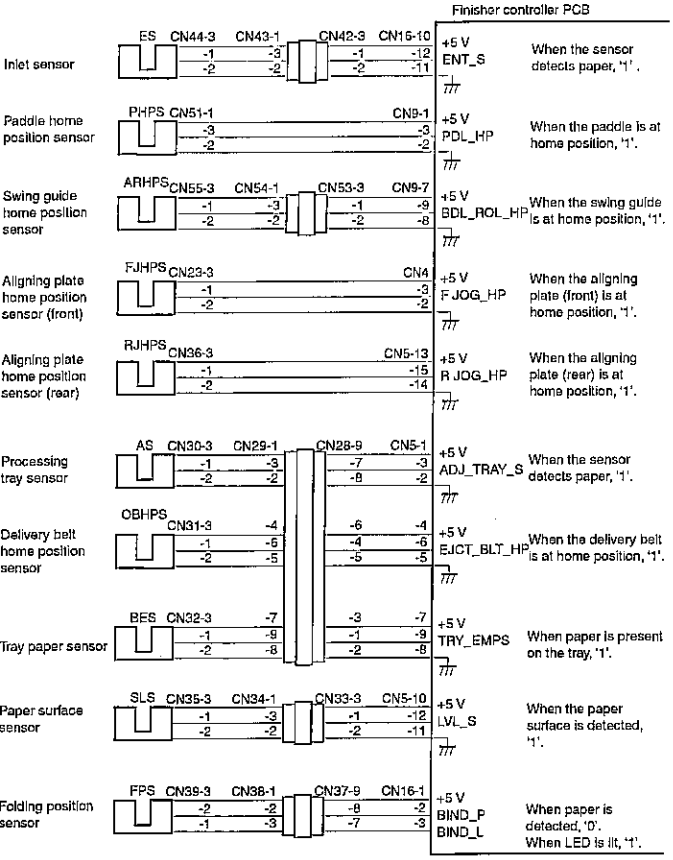
B. Outline of the Electrical Circuitry

The sequence of finisher operations is controlled by the finis controller PCB. The finisher controller PCB is a 16-bit microproces (CPU), and is also used for combination with the host machine (serial The finisher controller PCB drive motors and other loads in response the various commands from the host machine. It also communica such data as on the states of various sensors and switches to the h machine by way of the serial communication line.
The ICs mounted to the finisher controller PCB have the follow functions:
•IC13 (CPU)
Controls sequence of operations.
•IC12 (EEP-ROM)
Backs up adjustment settings.
•IC6 (EP-ROM)
Stores sequence programs.
•IC11 (communication IC)
Communicates with the host machine.
•IC1 (regulator IC)
Generates 5 V.
F02-102-01 shows the flow of signals between finisher and optio controller:

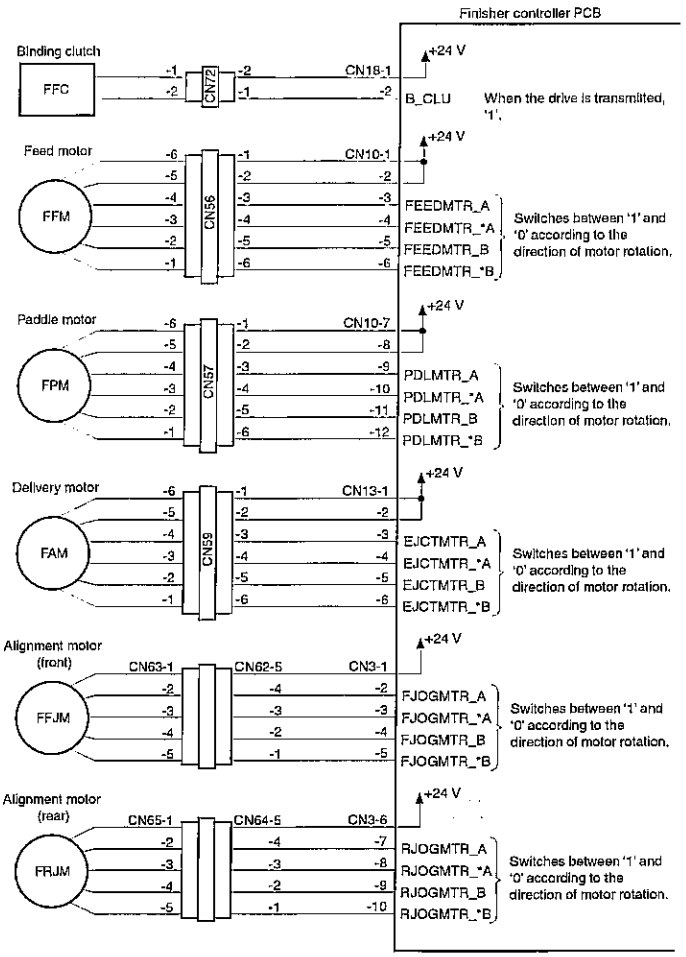


C. Inputs to and Outputs from the Finisher Controller PCB

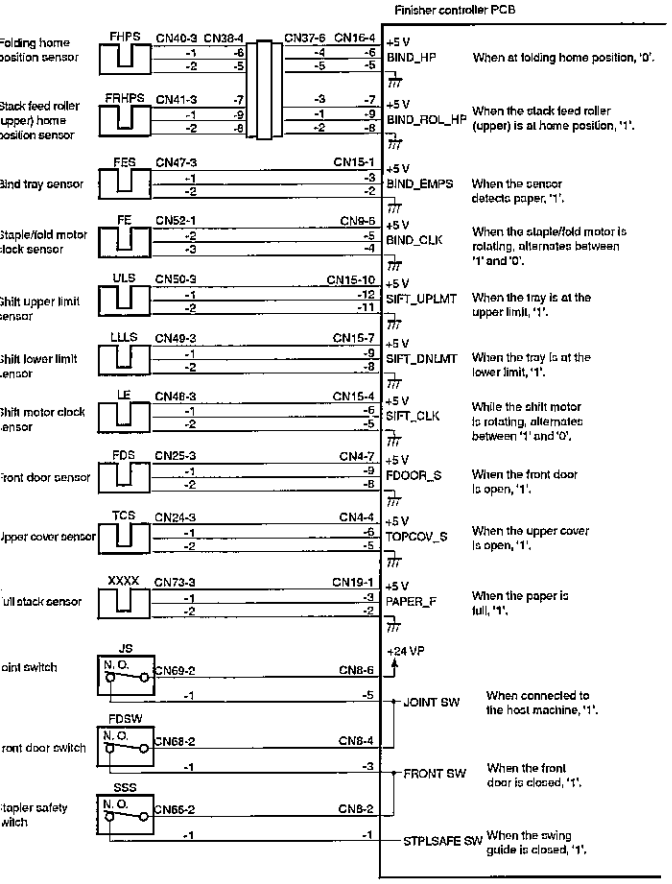
•Inputs to the Finisher Controller PCB (1/2)


Finisher controller PCB
Inlet sensor
ES CN44-3 CN43-1 CN42-3 CN15-10
+5 V ENT_S
When the sensor detects paper, '1'.
Paddle home position sensor
PHPS CN51-1 CN9-1
+5 V PDL_HP
When the paddle is at home position, '1'.
Swing guide home position sensor
ARHPS CN55-3 CN54-1 CN53-3 CN9-7
+5 V BDL_ROL_HP
When the swing guide is at home position, '1'.
Aligning plate home position sensor (front)
FJHPS CN23-3 CN4
+5 V F JOG_HP
When the aligning plate (front) is at home position, '1'.
Aligning plate home position sensor (rear)
RJHPS CN36-3 CN5-13
+5 V R JOG_HP
When the aligning plate (rear) is at home position, '1'.
Processing tray sensor
AS CN30-3 CN29-1 CN28-9 CN5-1
+5 V ADJ_TRAY_S
When the sensor detects paper, '1'.
Delivery belt home position sensor
OBHPS CN31-3
+5 V EJCT_BLT_HP
When the delivery belt is at home position, '1'.
Tray paper sensor
BES CN32-3
+5 V TRY_EMPS
When paper is present on the tray, '1'.
Paper surface sensor
SLS CN35-3 CN34-1 CN33-3 CN5-10
+5 V LVL_S
When the paper surface is detected, '1'.
Folding position sensor
FPS CN39-3 CN38-1 CN37-9 CN16-1
+5 V BIND_P BIND_L
When paper is detected, '0'. When LED is lit, '1'.

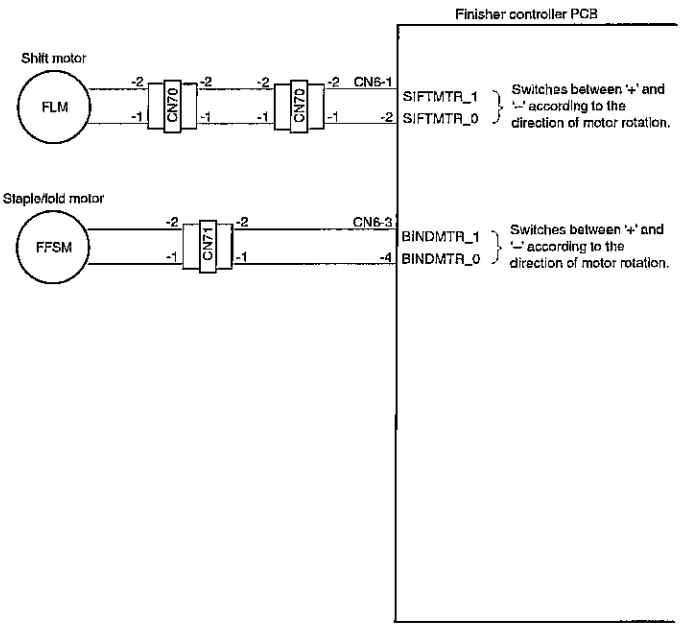
•Outputs from the Finisher Controller PCB (1/2)


Finisher controller PCB
Binding clutch
FFC CN72 CN18-1
+24 V
B_CLU
When the drive is transmitted, '1'.
Feed motor
FFM CN56 CN10-1
+24 V
FEEDMTR_A FEEDMTR_*A FEEDMTR_B FEEDMTR_*B
Switches between '1' and '0' according to the direction of motor rotation.
Paddle motor
FPM CN57 CN10-7
+24 V
PDLMTR_A PDLMTR_*A PDLMTR_B PDLMTR_*B
Switches between '1' and '0' according to the direction of motor rotation.
Delivery motor
FAM CN59 CN13-1
+24 V
EJCTMTR_A EJCTMTR_*A EJCTMTR_B EJCTMTR_*B
Switches between '1' and '0' according to the direction of motor rotation.
Alignment motor (front)
FFJM CN63-1 CN62-5 CN3-1
+24 V
FJOGMTR_A FJOGMTR_*A FJOGMTR_B FJOGMTR_*B
Switches between '1' and '0' according to the direction of motor rotation.
Alignment motor (rear)
FRJM CN65-1 CN64-5 CN3-6
+24 V
RJOGMTR_A RJOGMTR_*A RJOGMTR_B RJOGMTR_*B
Switches between '1' and '0' according to the direction of motor rotation.

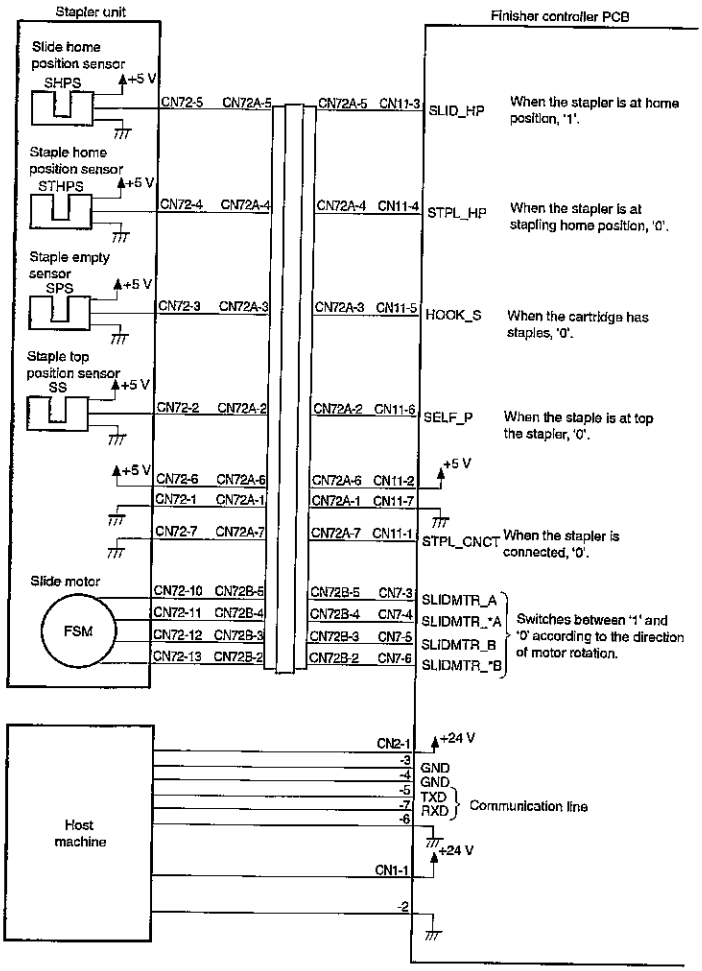
Inputs to the Finisher Controller PCB (2/2)


Finisher controller PCB
Folding home position sensor
FHPS CN40-3 CN38-4 CN37-6 CN16-4
+5 V BIND_HP
When at folding home position, '0'.
Stack feed roller (upper) home position sensor
FRHPS CN41-3
+5 V BIND_ROL_HP
When the stack feed roller (upper) is at home position, '1'.
Bind tray sensor
FES CN47-3 CN15-1
+5 V BIND_EMPS
When the sensor detects paper, '1'.
Staple/fold motor clock sensor
FE CN52-1 CN9-5
+5 V BIND_CLK
When the staple/fold motor is rotating, alternates between '1' and '0'.
Shift upper limit sensor
ULS CN50-3 CN15-10
+5 V SIFT_UPLMT
When the tray is at the upper limit, '1'.
Shift lower limit sensor
LLLS CN49-3 CN15-7
+5 V SIFT_DNLMT
When the tray is at the lower limit, '1'.
Shift motor clock sensor
LE CN48-3 CN15-4
+5 V SIFT_CLK
While the shift motor is rotating, alternates between '1' and '0'.
Front door sensor
FDS CN25-3 CN4-7
+5 V FDOOR_S
When the front door is open, '1'.
Upper cover sensor
TCS CN24-3 CN4-4
+5 V TOPCOV_S
When the upper cover is open, '1'.
Full stack sensor
XXXX CN73-3 CN19-1
+5 V PAPER_F
When the paper is full, '1'.
Joint switch
JS N.O. CN69-2 CN8-6
+24 VP
JOINT SW
When connected to the host machine, '1'.
Front door switch
FDSW N.O. CN68-2 CN8-4
FRONT SW
When the front door is closed, '1'.
Stapler safety switch
SSS N.O. CN66-2 CN8-2
STPLSAFE SW
When the swing guide is closed, '1'.

•Outputs from the Finisher Controller PCB (2/2)

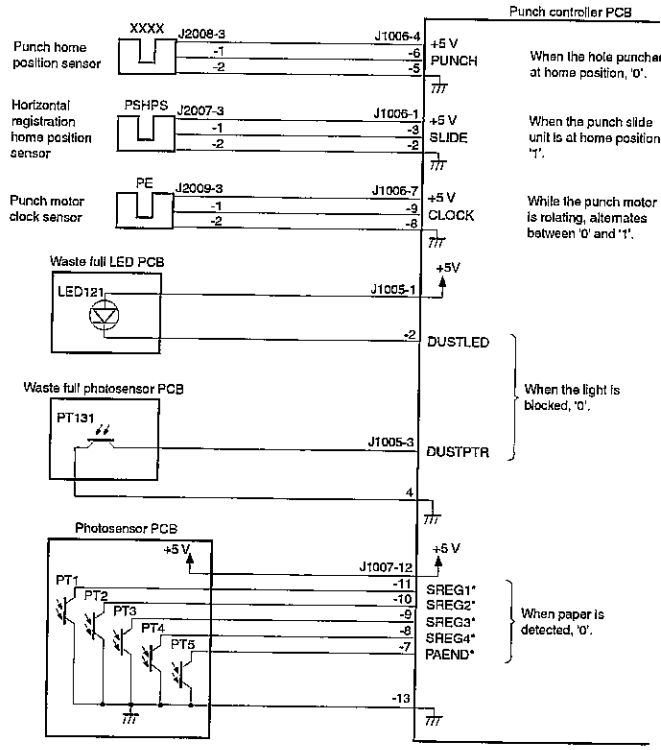

Finisher controller PCB
Shift motor
FLM CN70 CN70 CN6-1
SIFTMTR_1 SIFTMTR_0
Switches between '+' and '–' according to the direction of motor rotation.
Staple/fold motor
FFSM CN71 CN6-3
BINDMTR_1 BINDMTR_0
Switches between '+' and '–' according to the direction of motor rotation.

•Inputs to and Outputs from the Finisher Controller

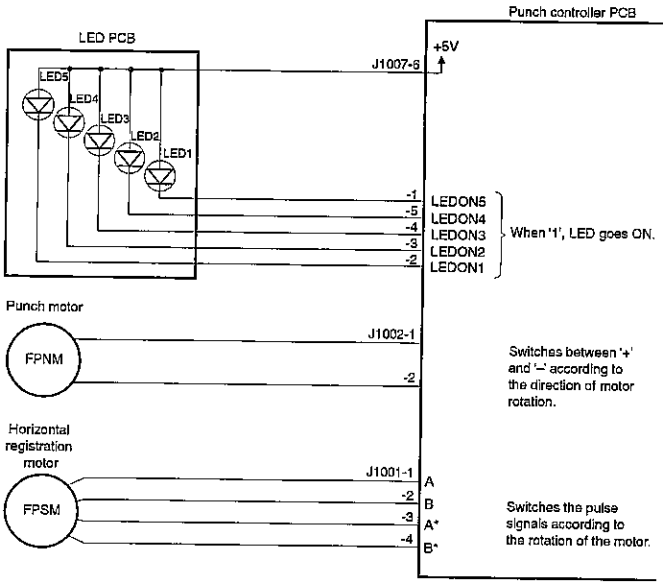


D. Inputs to and Outputs from the Punch Controller PCB(option)

•Inputs to and Outputs from the Punch Controller PCB



•Outputs from the Punch Controller PCB



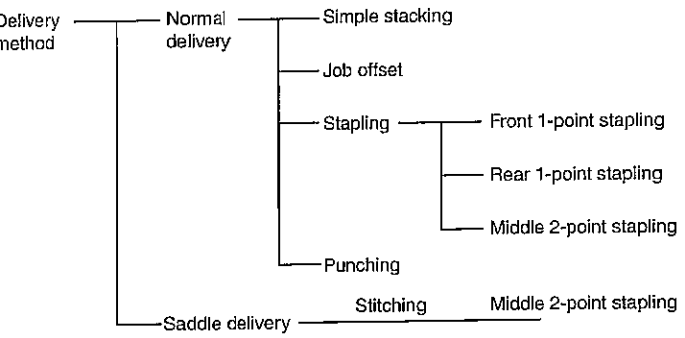
2. Feed/Drive System

A. Outline

The machine performs the following in response to the commands coming from its host machine on the sheets arriving from the host machine for delivery: simple stacking, job offset, and stapling or folding (in two).

If a punch unit (option) is installed, the sheets are pouched and delivered to the delivery tray.

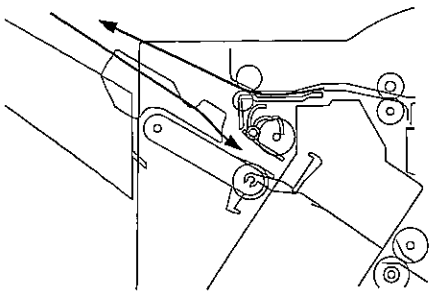
Sheets may be delivered in either of five ways (including one for the puncher unit):

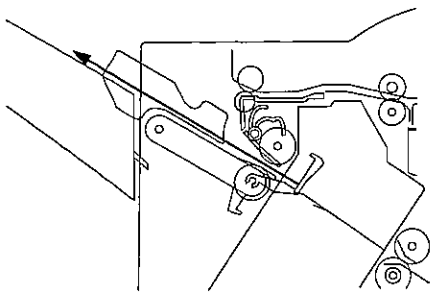


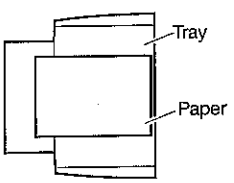
(1)Normal Delivery

a.Simple Stacking

The machine pulls in the sheet once to the processing tray and then delivers it to the delivery tray.

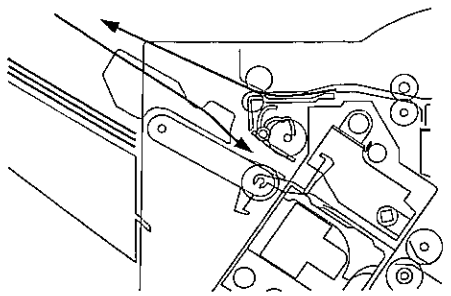


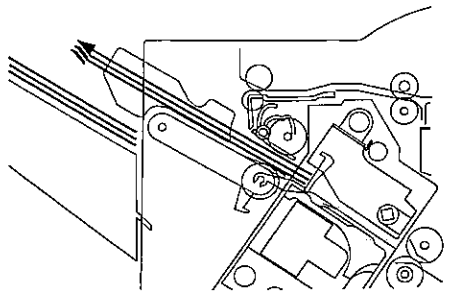




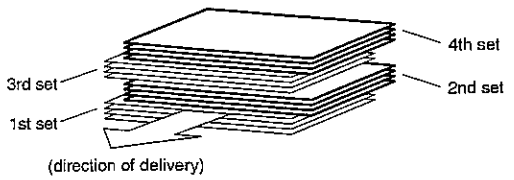
b.Job Offset

The machine pulls the sheet once to the processing tray. It then moves the sheet to the front or the rear using the aligning plate. When it has deposited a specific number of sheets, it delivers them in the form of a aligning plane. When the number of sheets stacked on the processing tray reaches a specified value, the sheets are delivered in a form of a stack. Even if the specified value is not reached, stacked sheets are temporarily delivered when 10 sheets of large-size paper (300 mm or longer) or 30 sheets of small-size paper (299 mm or shorter) have been stacked. (5- and STMT-sizes: 10 sheets)



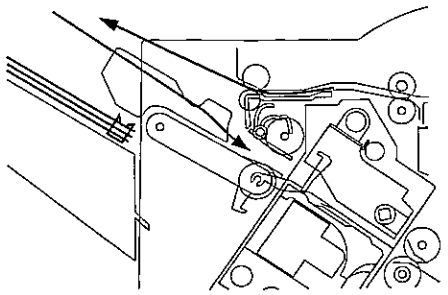


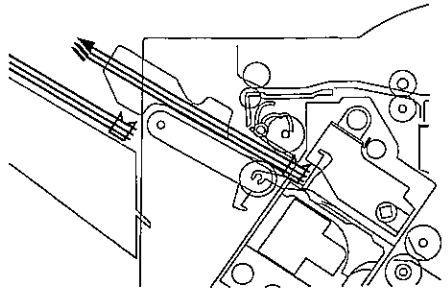
Results of offset delivery (4 jobs)



c.Stapling

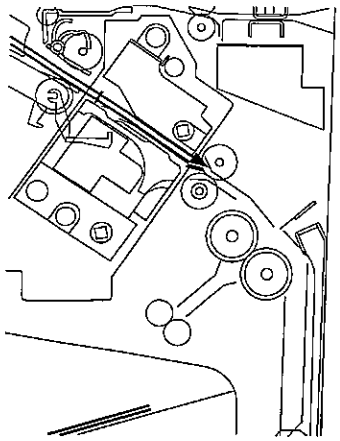
The machine stacks sheets coming from its host machine on the processing tray. When the number of sheets stacked on the processing tray reaches a specified value, the finisher staples them delivers the stapled stack to the delivery tray.

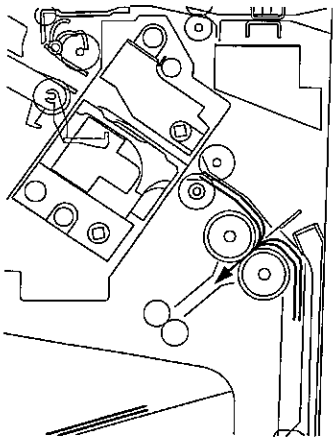




d.Saddle Delivery

The machine deposits a stack of sheets on the processing tray, staples it (middle 2-point), and then moves it to the saddle unit. The saddle unit folds the stack in two, and delivers it to the bind tray.





B.Feed/Delivery

(1)Outline

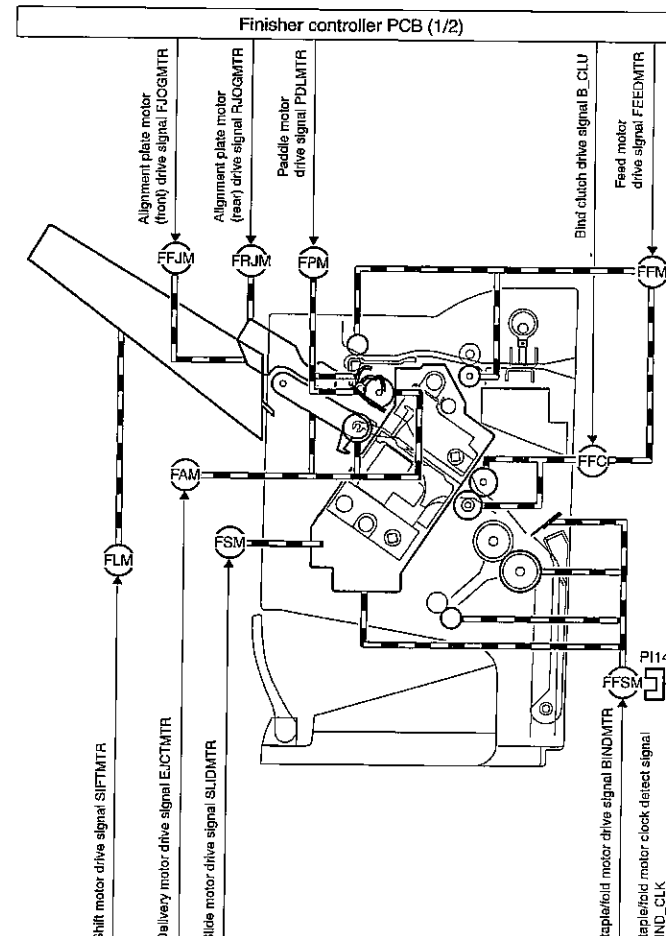
The machine forwards the sheets coming from its host machine to the delivery tray, processing tray, or saddle unit according to the type of delivery used. The sheets forwarded to the processing tray or the saddle unit are offset, stapled, or folded.

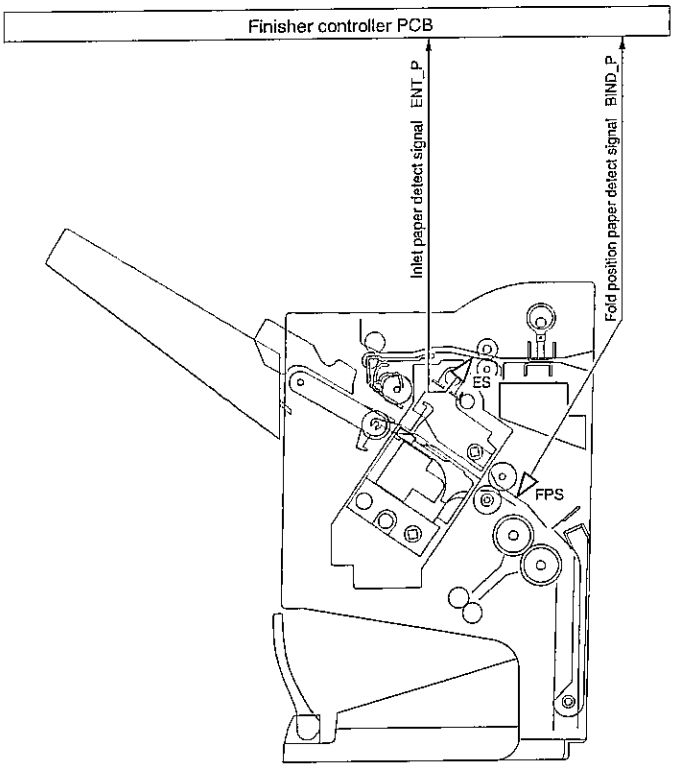
F02-202-01 shows the motors that are associated with moving and aligning sheets. These motors are controlled (rotated clockwise or counterclockwise) by the microprocessor (CPU) on the finisher controller PCB.

The paper path is equipped with the sensors shown in T02-202-02 used to monitor the arrival or passage of sheets.

If a sheet fails to arrive at or move past a specific sensor within a specific period of time, the finisher controller will assume a jam, and stops the ongoing operation and, at the same time, communicates the presence of a jam to the host machine.

Notation	Name	Description	Connector on finish controller PCB
FFM	Feed motor	Stepping motor	CN10
FPM	Paddle motor	Stepping motor	CN10
FAM	Delivery motor	Stepping motor	CN13
FFJM	Alignment plate motor (front)	Stepping motor	CN3
FRJM	Alignment plate motor (rear)	Stepping motor	CN3
FFSM	Staple/fold motor	Brush DC motor	CN6





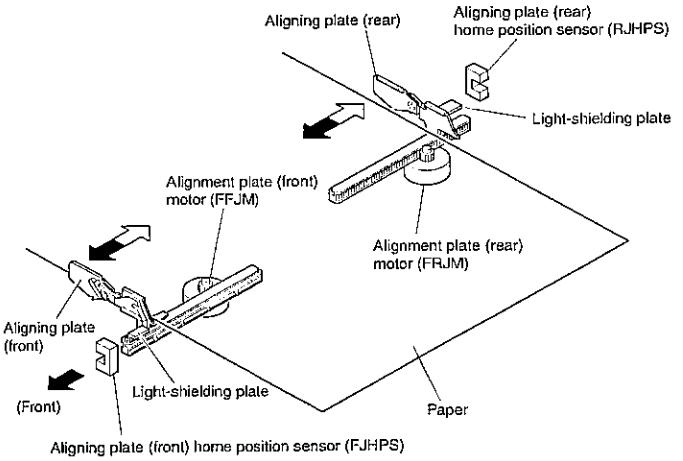
Notation	Name	Description	Connector on finisher controller PCB
ES	Inlet sensor	Photointerrupter	CN16
FPS	Fold position		
Sensor	Photointerrupter	CN16	

C.Job Offset

(1)Outline

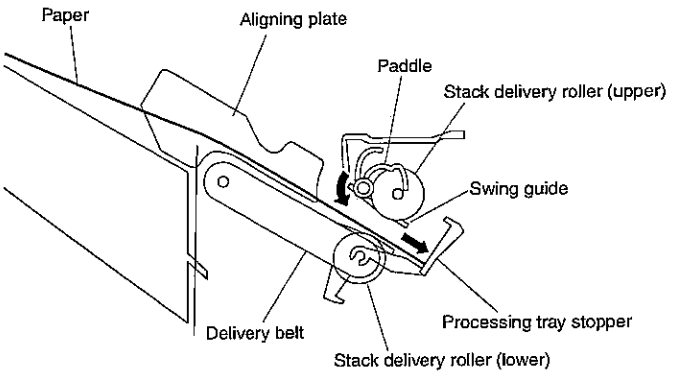
"Job offset" refers to the operation by which the machine delivers a set of sheets with them pulled forward or backward for sorting.
Switching between the forward and backward directions is made using an aligning plate (front) and an aligning plate (rear).
The sheet coming between the delivery rollers is fed onto the processing tray and then fed toward the stopper by the paddle.
A swing guide is at the up position while a sheet is being pulled onto the processing tray or during alignment. It is at the down position during stack feeding, stack delivery, or stapling.
At power-on, the finisher controller PCB drives the aligning plate (front) motor (FFJM) and the aligning plate (rear) motor (FRJM) to return the two aligning plates to their home positions.

Sensor	Symbol	Connector	Function	Motor	Simbol
Aligning plate (front) home position sensor	FJHPS	CN4-3	Drives the aligning plate (front)	Aligning plate (front) motor	FFJM
Aligning plate (rear) home position sensor	RJHPS	CN5-15	Drives the aligning plate (rear)	Aligning plate (rear) motor	FRJM
Swing guide home position sensor	ARHPS	CN9-9	Drives the swing guide drive.	Paddle motor	FPM
Paddle home position sensor	PHPS	CN9-3	Drives the paddle (feeds paper).	Paddle motor	FPM



(2)Processing Tray Paper Stacking Operation

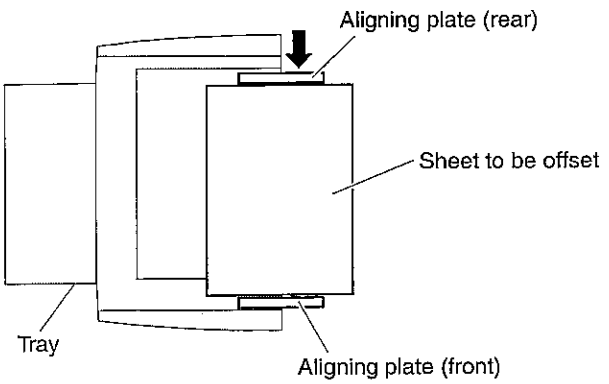
A sheet coming between the delivery rollers is fed onto the processing tray.Then, the paddle taps on the sheet surface twice (once for the second and subsequent sheets) to locate the sheet against the processing tray stopper.



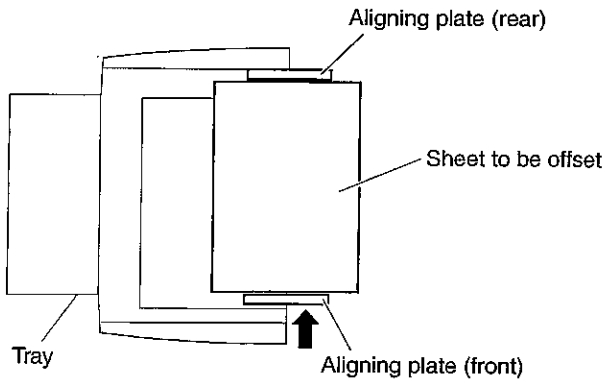
(3)Offset Operation

Each sheet is pulled forward or backward using the aligning plate (front) and the aligning plate (rear).
The offset operation is performed each time a sheet is pulled onto the processing tray.

Offsetting in the forward direction

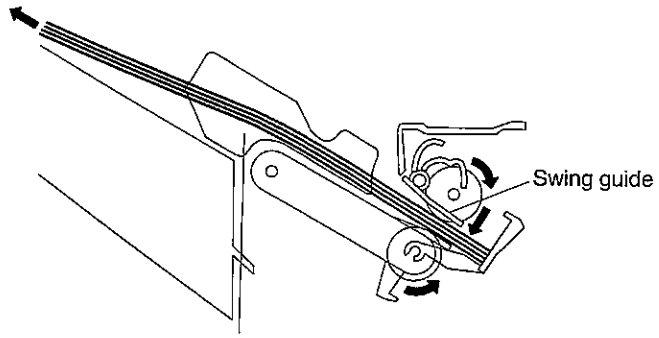


Offsetting in the backward direction

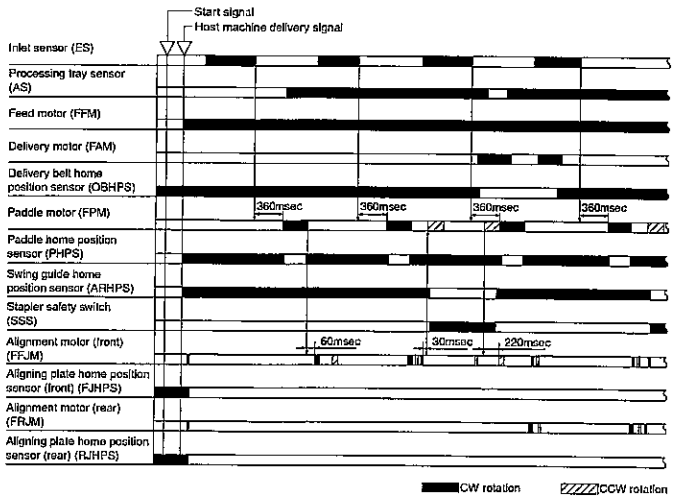


(4)Stack Delivery Operation

Stack delivery takes place when 10 sheets of large-size paper or 30 sheets of small-size paper (A5- and STMT-sizes: 10 sheets) have been stacked on the processing tray with them offset in either direction.
The paddle motor rotates and the swing guide descends to hold the paper stack between the upper and lower stack delivery rollers. The delivery motor rotates in the forward direction to rotate the delivery rollers, feeding the paper stack in the delivery direction. The delivery belt home position sensor is turned OFF. The delivery motor is driven a specified number of pulses, causing the swing guide to ascend. Next, the paper delivery motor is driven. Next, the delivery motor is driven to deliver the paper stack with the nails of the delivery belt that rotates in sync with the stack delivery rollers.



Job offset sequence



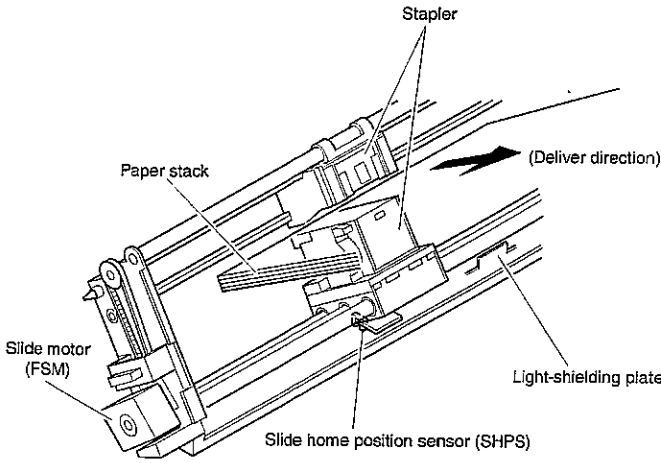
3. Stapling Operation

A.Outline

Staple operation is performed to staple a specified sheets of paper us
a stapler unit.
The stapling position depends on the staple mode and paper size.
When the machine starts immediately after power-on, the finis
controller PCB drives the slide motor (FSM) to return the stapler unit
the home position. The stapler unit starts moving toward the front of
stapler frame. It stops when the slide home position sensor (SHPS)
the slide PCB located under the stapler unit. Next, the slide motor
driven a specified number of pulses. The stapler unit moves to re
standby position at the back of the machine, entering the standby stat

Sensor	Simbol	Connector	Function	Remar
Slide home position sensor	SHPS	CN11-3	Detects the home position for the stapler moving back and forth.	-
Staple home position sensor	STHPS	CN11-4	Detects the home position for the stapling operation	In the stapler
Staple empty sensor	SPS	CN11-5	Detects presence or absence of staples in the cartridge.	In the stapler
Staple top position sensor	SS	CN11-6	Detects the staple top position.	In the stapler

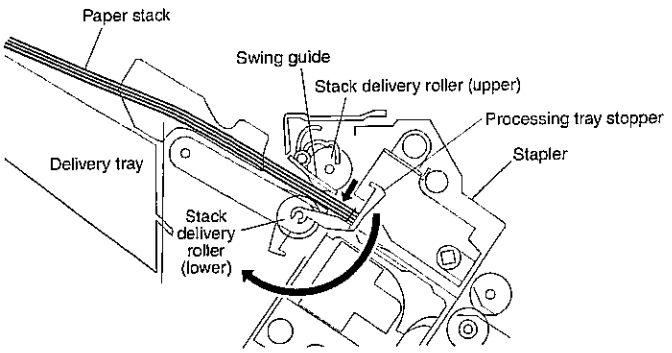
Function	Motor	Symbol	Remarks
Moves the stapler.	Slide motor	FSM	-
Performs stapling operation.	Staple/fold motor	FFSM	-

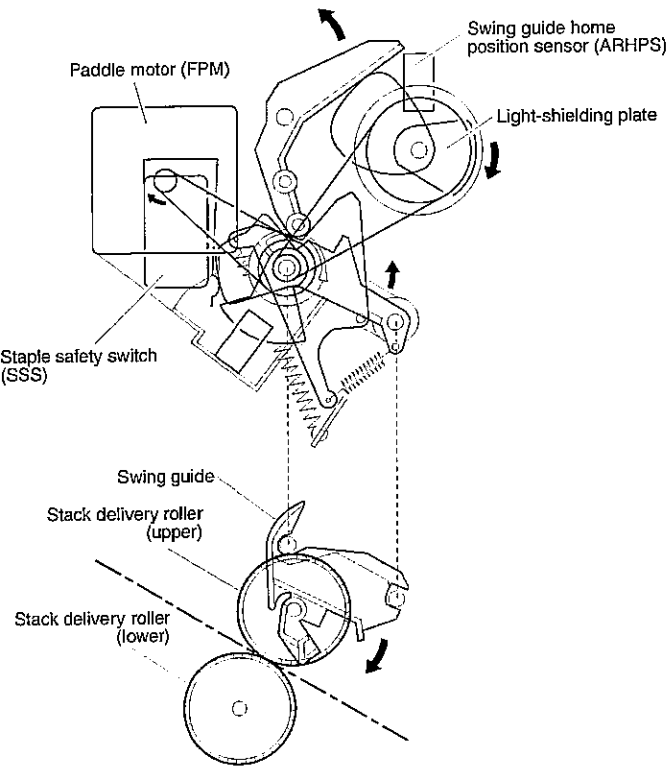


B.Stapling Operation

When stacking and alignment of paper on the processing tray are complete, the finisher controller PCB drives the paddle motor (FPM) in the reverse direction and lowers the swing guide. When the swing guide descends, the paper stack is sandwiched between the upper and lower stack delivery rollers.

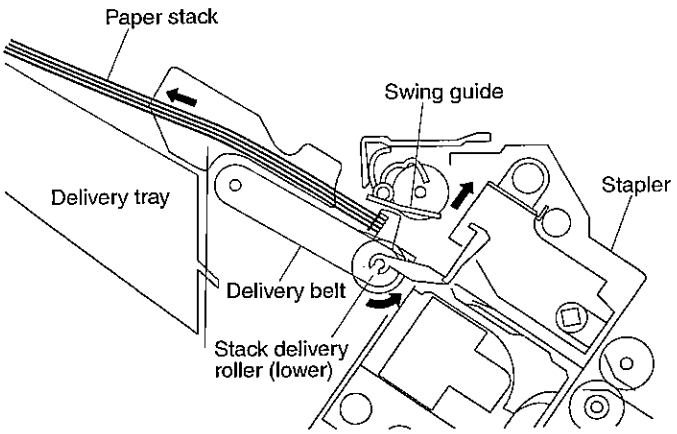
The finisher controller PCB moves the stapler for stapling according to the specified stapling position (when rear 1-point stapling is specified, the stapler does not move but it staples at the standby position). As the stapler moves forward, the processing tray stopper is folded forward.

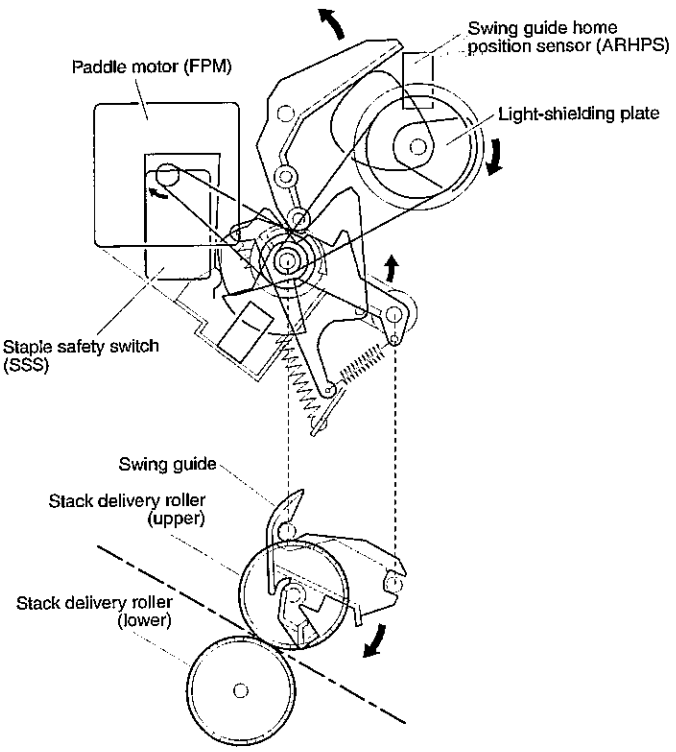




C.Delivery Operation after Stapling

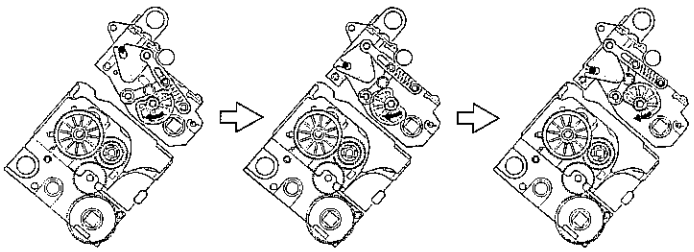
When stapling is complete, the finisher controller PCB drives the deliver motor in the forward direction to feed the paper stack (sandwiched between the stack delivery rollers) in the delivery direction. The delivery belt home position sensor is turned OFF. The delivery motor is driven a specified number of pulses, causing the swing guide to ascend. At the same time, the slide motor is driven to return the stapler back to the standby position, followed by driving of the delivery motor. Then, the paper stack is delivered with the nails of the delivery belt that rotates in sync with the stack delivery rollers.

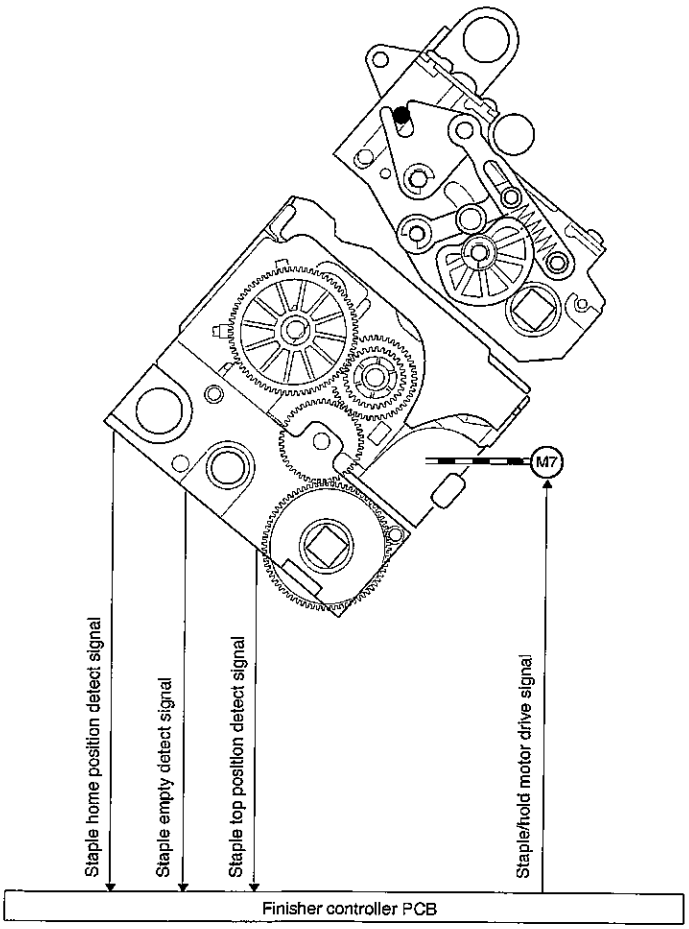




D.Stapler Unit

The staple/fold motor (FFSM) is used to perform stapling operation. This motor rotates the cam one turn for stapling. The home position of this cam is detected by the staple home position sensor (STHPS).
The staple/fold motor is rotated in the forward or reverse direction under the control of the macro computer (IC13) on the finisher controller PCB.
When the staple home position sensor is OFF, the finisher controller PCB rotates the staple/fold motor in the forward direction until the sensor turns ON, allowing the staple cam to the original position.
The staple empty sensor (SPS) is used to detect presence/absence of a staple cartridge in the machine and presence/absence of staples in the cartridge.
The stale top position sensor (SS) is used to determine whether staples are pushed up to the top of the staple cartridge.
The finisher controller circuit does not drive the staple/fold motor (FFSM) unless the staple safety switch (SSS) is ON (the swing guide is close). This assures safety in case where you happen to put your finger in the stapler.



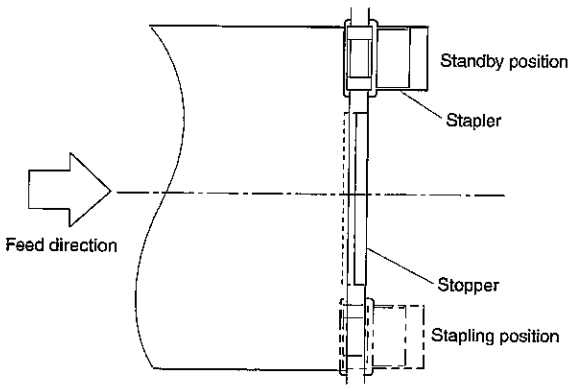


(1)Stapler Movement Controller

The stapler unit is moved by the slide motor (FSM). Its home positio detected by the slide home position sensor (SHPS). The stapler wait the back irrespective of the staple mode and paper size. After paper been stacked on the processing tray, the stapler is moved to specified stapling position in response to the stapling command from host machine.
The standby position of the stapler and the stapling position depend on the staple mode are shown below.

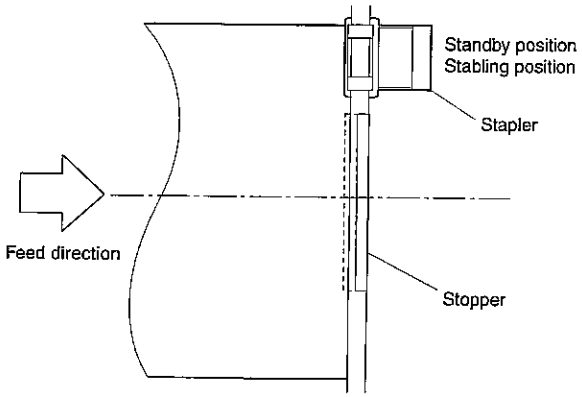
a.Front 1-point stapling

The stapler waits at the back. The stapler moves to and returns from stapling position for each stapling operation.



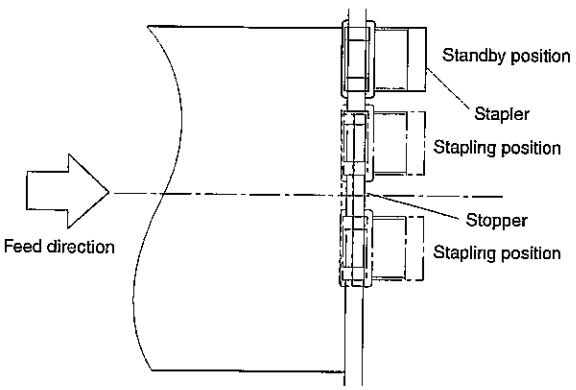
b.Rear 1-point stapling

The stapler waits at the back. The stapling position is the same as t standby position.



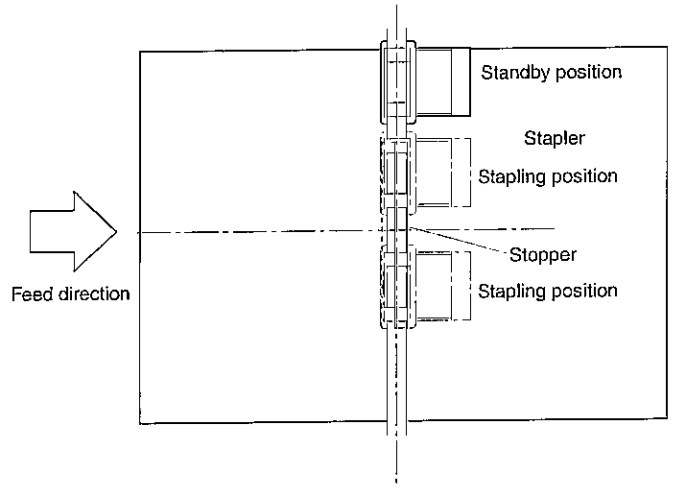
c.Middle 2-point stapling

The stapler waits at the back. The stapler moves to and returns from th stapling position for each stapling operation. The stapler first staples paper stack at the rear stapling position and then staples it at the fro stapling position.



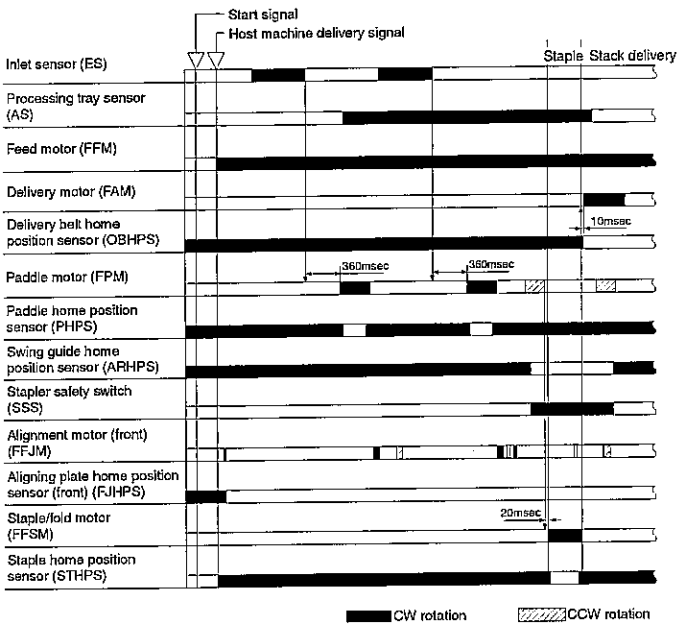
d.Middle 2-point stapling (bind mode)

The stapler waits at the back. The stapler moves to and returns from the stapling position for each stapling operation. The stapler first staples a paper stack at the rear stapling position and then staples it at the front stapling position.



Stapling Operation Sequence

Rear 1-point Stapling of 2 Sheets



4. Delivery Tray Operation

A.Outline

The machine has a delivery tray in the finisher unit and a bind tray in the saddle unit.

The bind tray in the saddle unit is of the fixed type and all the folded paper stacks are delivered to this tray. This tray has a bind tray sensor (FES) to detect presence/absence of paper.

The delivery tray in the finisher unit is moved up and down using a shift motor (FLM).

The finisher has a tray paper sensor (BES) to detect presence/absence of paper on the stack tray.

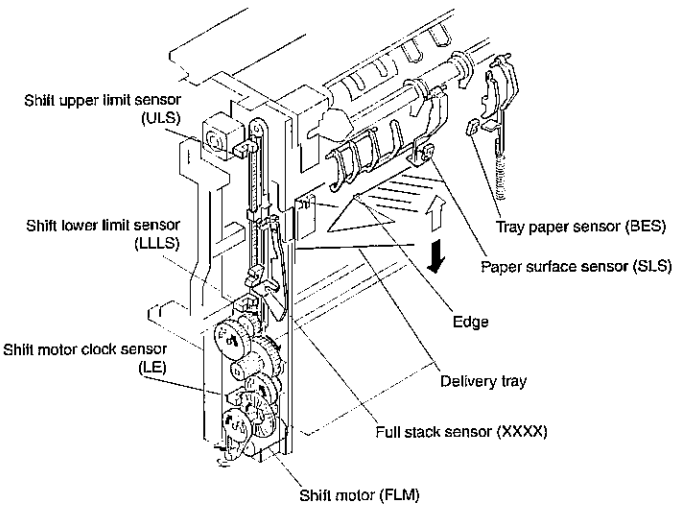
The home position sensor of the delivery tray is detected by the paper surface sensor (STHPS). When paper has already been stacked on the delivery tray, the home position is on the top surface of the stacked paper. When paper has not yet been stacked on the delivery tray, the home position is at the position where the edge of the delivery tray is detected. At power-on, the finisher controller PCB drives the shift motor (FLM) to return the delivery tray to the home position.

When the paper coming from the processing tray is stacked on the delivery tray, the shift motor is driven a specified number of pulses, causing the delivery tray to descend. Clock pulses are detected by the shift motor clock sensor (LE). Then, the delivery tray returns to the home position for the next stacking operation.

The upper limit of the delivery tray is detected by the shift upper limit sensor (ULS). When the shift upper limit sensor (ULS) is turned ON, the finisher controller PCB stops the shift motor (FLM) that is ascending.

The lower limit of the delivery tray is detected by the shift lower limit sensor (LLLS). When the shift lower limit sensor (LLLS) is turned ON, the finisher controller PCB stops the shift motor (FLM) that is descending.

The finisher unit has a full stack sensor (P124) to detect overstacking of large-size or mixed paper according to the stack height.



5. Saddle Unit

A.Basic Operations

(1)Outline

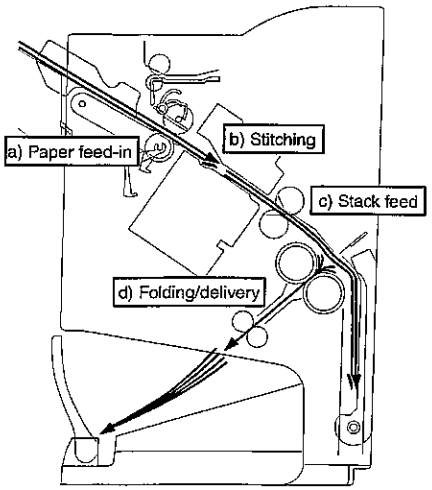
The machine stitches a stack of sheets (middle 2-point), then folds the stack in two in the finisher. These operations are controlled by the finisher controller PCB.
The finisher controller PCB is controlled by the commands from the host machine.

B.Feed/Drive System

(1)Outline

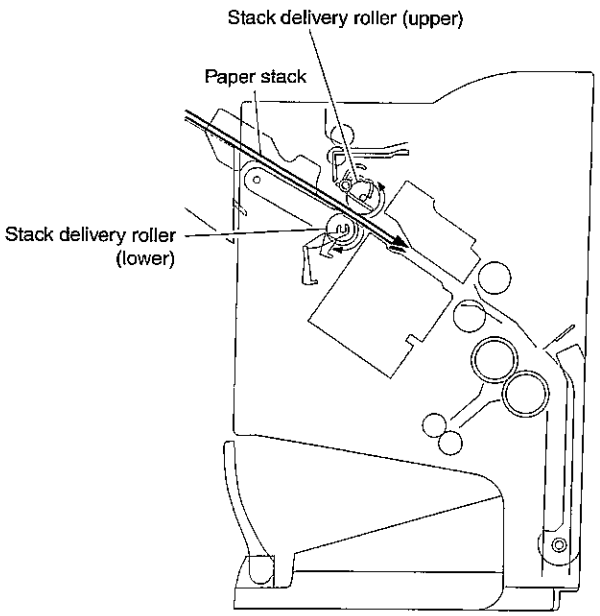
This machine stitches the paper stack coming from the finisher, folds it, and delivers it to the bind tray in the saddle unit in response to the commands from the host machine.
That is, the machine performs the following operations:

a) Paper feed-in
b) Stitching
c) Stack feed
d) Folding/delivery



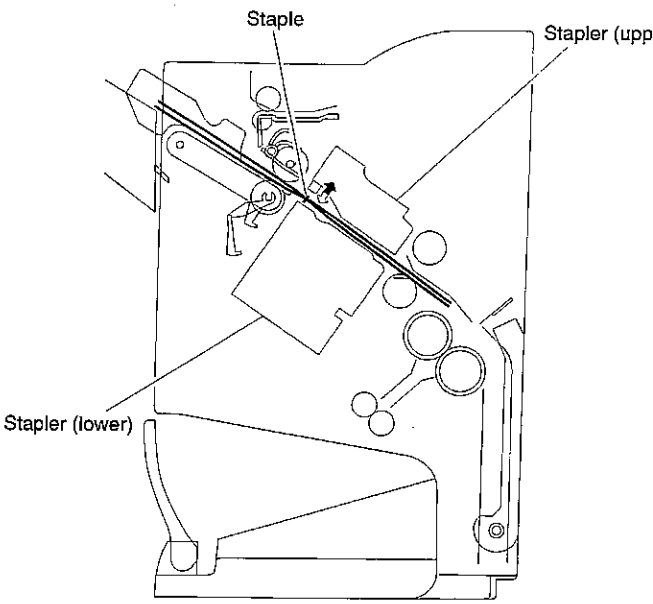
a.Paper feed-in

After being aligned on the processing tray, a stack of sheets is sandwiched between the stack delivery rollers. As the stack delivery rollers rotate, the stack is fed toward the saddle unit.



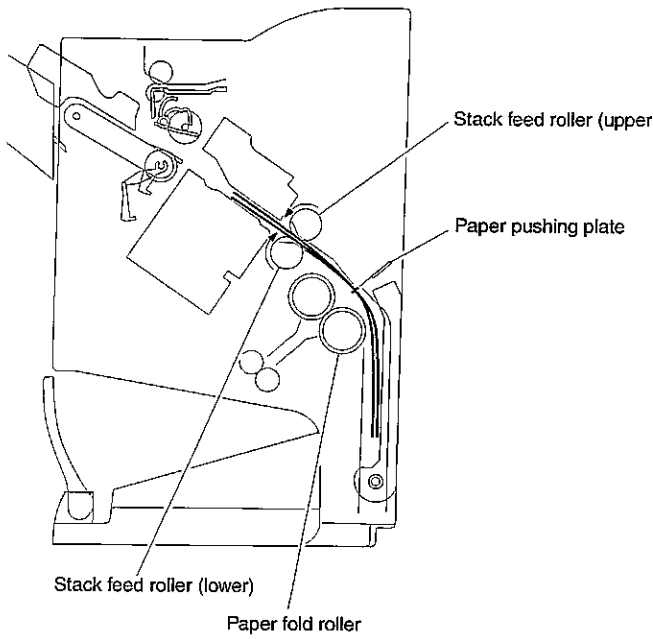
b.Stitching

When the center of the paper stack (stitching position) reaches stapler's staple position, the stapler stitches the paper stack.
When only one sheet is fed from the host machine, the next step (st feed) is performed without performing the stitching operation.



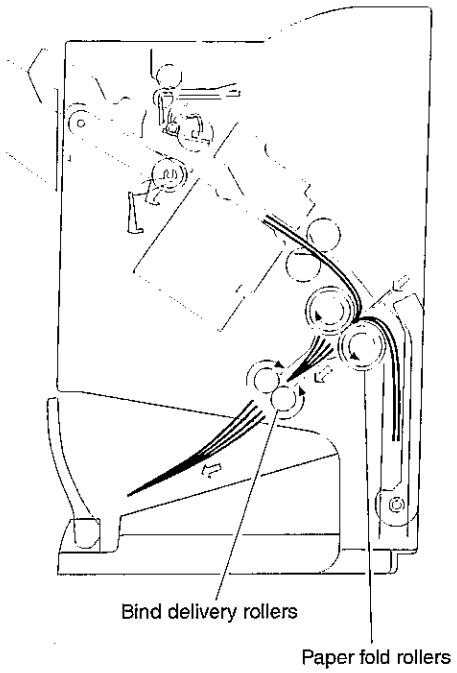
c.Stack feed

The stack feed rollers feed the paper stack to the stack folding/delive position where the center of the stack (stitched position) is level with t paper pushing plate and paper folding roller's nip part.



d.Folding/delivery

The paper pushing plate pushes in the center of the paper stack to feed it toward the paper fold rollers. Then, the paper fold rollers and bind delivery rollers deliver the paper stack to the bind tray.

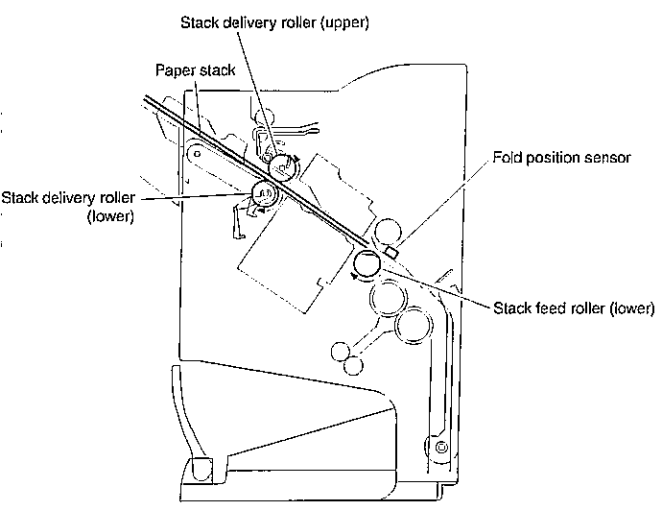


C.Paper Feed System

(1)Outline

The paper feed system feeds a stack of sheets (coming from the finisher) to the position where the center of the paper stack (stitching position) is aligned to the stapler's staple, allowing the next step (stitching and folding) to be performed.

When sheets of paper have been stacked and aligned on the processing tray, the paddle motor (FPM) rotates in the reverse direction, causing the swing guide to descend. As the swing guide descends, the paper stack is sandwiched between the upper and lower stack delivery rollers. The delivery motor (FAM) rotates in the reverse direction, feeding the paper stack toward the saddle unit. When the leading edge of the paper stack reaches the folding position sensor (FPS), the finisher controller PCB drives the delivery motor a specified number of motor pulses to stop the center of the paper stack (stitching position) at the stapler's staple position. Before the paper stack passes through the stack feed rollers, the feed motor (FFM) is driven to rotate the stack feed roller (lower) so that the leading edge of the paper stack is not bent.

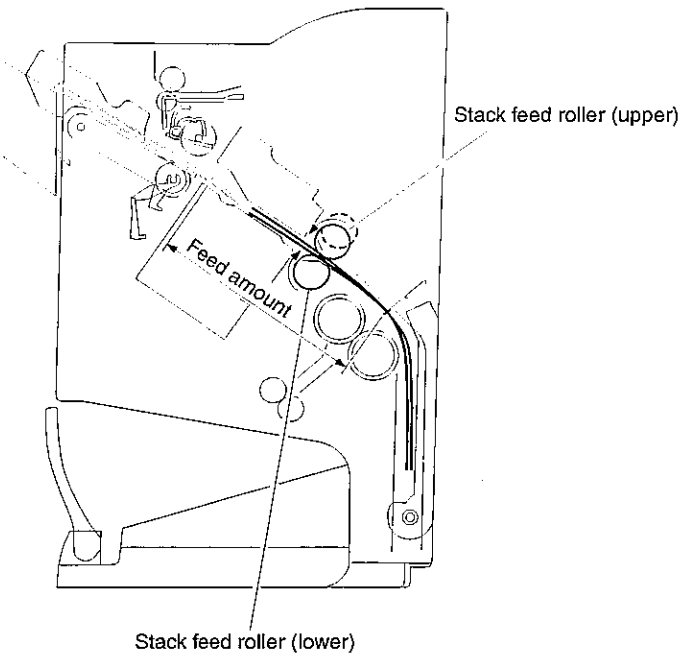


D.Stack Feed System

(1)Outline

The stack feed system feeds the stitched paper stack to the folding position.

When stitching is complete, the feed motor (FFM) rotates, causing the stack feed roller (upper) to descend. The paper stack is sandwiched between the stack feed rollers. Then, the bind clutch (FFC) is turned ON to rotate the feed motor (FFM) in the forward direction, thus feeding the paper stack to the folding position. The feed amount is equivalent to the number of pulses used to drive the feed motor (FFM) until the paper stack reaches the folding position.



E.Fold/Delivery System

(1)Outline

The paper fold mechanism consists of a guide plate, paper fold rollers, and a paper pushing plate.

The guide plate, paper fold rollers, and paper pushing plate are driven by the staple/fold motor (FFSM). The drive force is transferred with a combination of gears and cams. Motor operation is monitored by the staple/fold motor lock sensor (FE).

Until the paper stack reaches the folding position, the guide plate covers the paper fold rollers to act as a paper path through which a paper stack is fed to the saddle unit and to prevent a paper stack from touching the rollers.

A folding home position sensor (FHPS) is provided to detect the positions of the paper fold rollers and paper pushing plate.

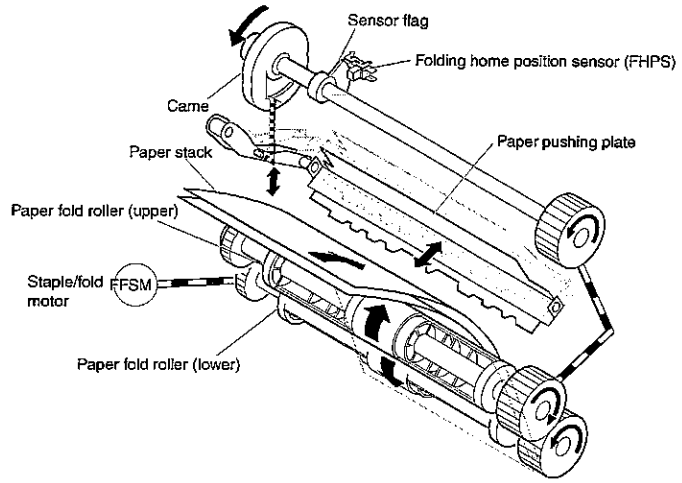
The paper stack folded in two by the paper fold rollers is delivered by bind delivery rollers.

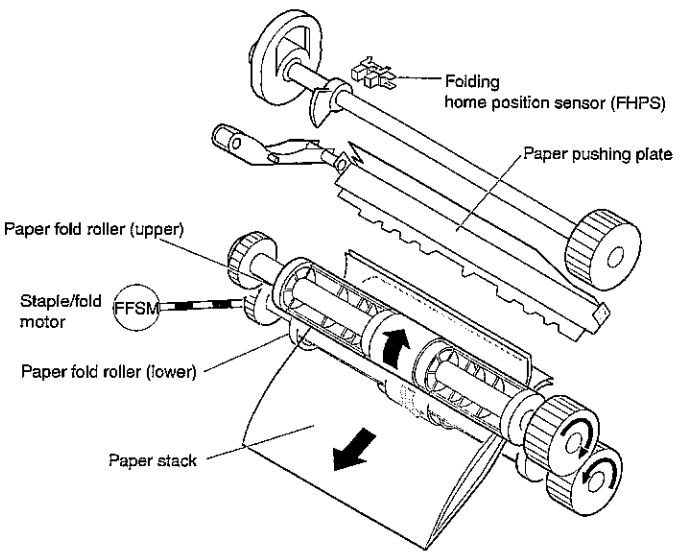
The bind delivery rollers are also driven by the staple/fold motor (FFSM).

A bind tray sensor (FES) is provided on the bind tray to detect presence/absence of a paper stack; however, it is not used to detect a jam.

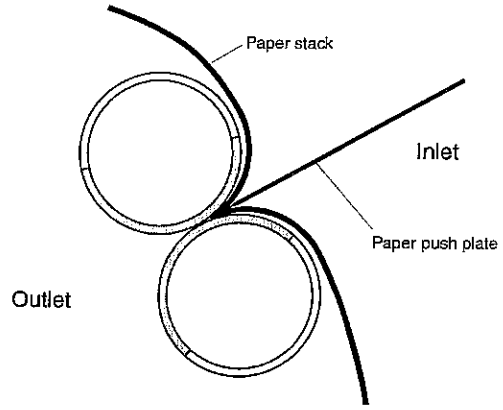
(2)Paper Folding

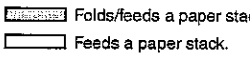
Paper is folded using paper fold rollers and a paper pushing plate.
Almost concurrently with the start of roller rotation, the paper pushing plate starts operating to push the paper stack into the gap between the paper fold rollers. When the paper stack is fed about 10 mm with the rotation of the paper fold rollers, the paper pushing plate returns to the home position. Then, the paper stack is delivered to the bind tray using the paper fold rollers and bind delivery rollers.
Half the entire surface of each paper fold roller is uncovered excluding the central area and the area at the left and right ends. The uncovered surface of the upper paper fold roller comes in touch with the uncovered surface of the lower paper fold roller only at the center and left and right ends, allowing a paper stack to be fed without causing creases. The other half of the upper paper fold roller that is covered comes in touch with the other half of the lower paper fold roller that is also covered, allowing a paper stack to be folded while being fed.

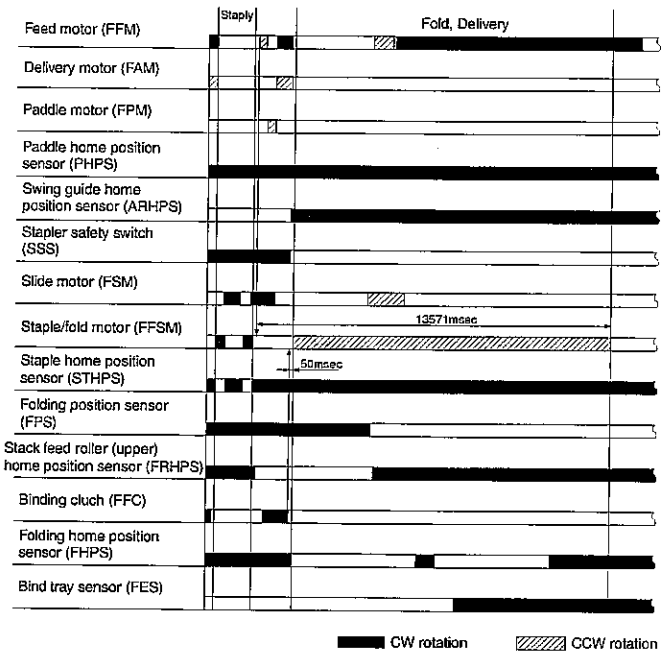




[Paper folding start position]







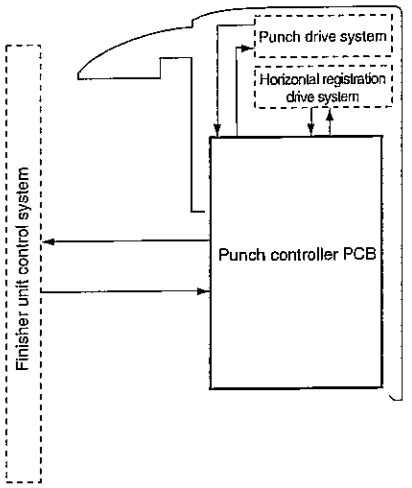
6. Puncher Unit (option)

A. Basic Operations

(1)Outline

The puncher unit is an option, and is designed for installation to the pickup assembly of the finisher. The puncher unit is not equipped with a paper feeding mechanism, and the sheets from the host machine move through the puncher unit and then the feed system of the finisher.

When the trailing edge of a sheet from the host machine reaches the puncher unit, the sheet is stopped once, and the punch shaft is rotated to punch a hole along the trailing edge. These operations are controlled with various commands from the finisher controller PCB as well as the commands from the punch controller PCB.



B.Punching Operation

(1)Outline

The puncher unit is located in the pickup assembly of the finisher, and is used to punch holes in sheets that have been sent from the host machine and stopped inside it. When the trailing edge of a sheet reaches the puncher unit, the inlet roller of the finisher assembly stops the sheet to punch a hole along the trailing edge of the sheet.

The punch unit consists of a die and hole puncher (punch blade).

The hole puncher is driven by the punch motor (FPNM). It is attached to the eccentric cam of the punch shaft, and the rotation of the punch shaft is converted into reciprocating motion for punching operation.

The punch motor (FPNM) is a DC motor. The home position of the punch shaft is detected by the punch home position sensor (PI1P). To make sure that the punch motor, which is a DC motor, stops exactly at its home position, the punch motor is stopped in relation to the count of the clock pulses kept by the punch motor clock sensor (PE).

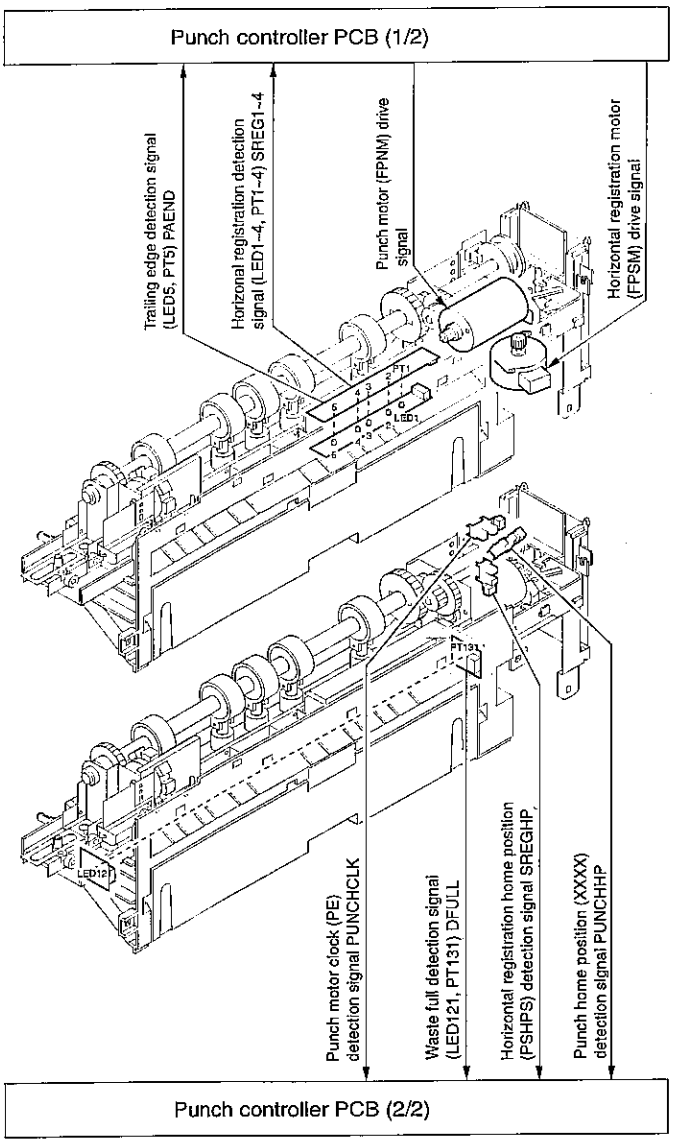
A single punching operation is executed by rotating the punch shaft 180× from its home position.

As many as five light-receiving transistors (photosensor PCB) are mounted over the inlet paper path of the puncher unit; on the other hand, as many as five LEDs (LED PCB) are mounted under the path, together serving as five sensors. The frontmost sensor (LED5, PT5) is used to detect the training edge of sheets, and the remaining four (LED1 through LED4, PT1 through PT4) are used as horizontal registration sensors to detect the rear position of sheets when punching holes.

The punch motor, punch unit, and sensors make up the punch slide unit, which moves to the front/rear to suit the selected paper size. The movement to the front/rear is driven by the horizontal registration motor (FPSM). The home position of the punch slide unit is detected by the horizontal registration home position sensor (PSHPS), and the horizontal registration motor (FPSM) is a stepping motor.

The punch motor and horizontal registration motor are controlled with various commands from the finisher controller PCB as well as the commands from the punch controller PCB.

The waste paper occurring as the result of punching is collected in the waste paper case. The case is monitored by the LED121 on the waste full LED PCB and PT131 on the waste full photosensor PCB.


Punch controller PCB (1/2)
Trailing edge detection signal (LED5, PT5) PAEND
Horizonal registration detection signal (LED1-4, PT1-4) SREG1-4
Punch motor (FPNM) drive signal
Horizontal registration motor (FPSM) drive signal
PT1
LED1
PT131
LED12
Punch motor clock (PE) detection signal PUNCHCLK
Waste full detection signal (LED121, PT131) DFULL
Horizontal registration home position (PSHPS) detection signal SREGHP
Punch home position (XXXX) detection signal PUNCHHP
Punch controller PCB (2/2)

(2)Punching Operation

The hole puncher is driven by the punch motor (FPNM). The home position for the hole puncher is detected by the punch home position sensor (XXXX).

The punch unit comes in four types, selected to suit the country of installation: 2-hole (Puncher Unit-J1), 2- and 3-hole (Puncher Unit-K1), or two types of 4-hole (Puncher Unit-G1, Puncher Unit-H1).

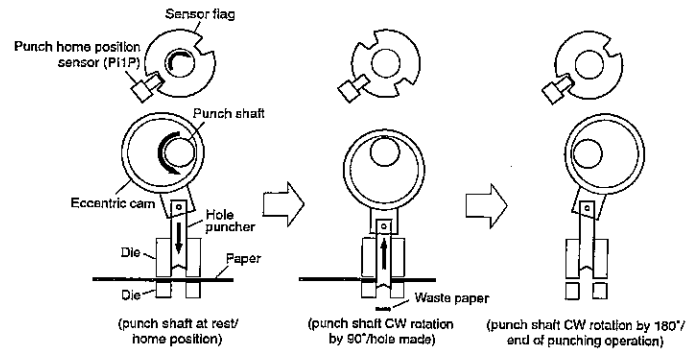
The 2-hole and 4-hole types punch a hole when the punch shaft is rotated 180× from the home position, causing the punch to make a single round trip. The 2-/3-hole type punches a hole, but the circumference of the punch shaft is divided into two (half for 2-hole and the other half for 3-hole).

a.2-Hole, 4-Hole Type

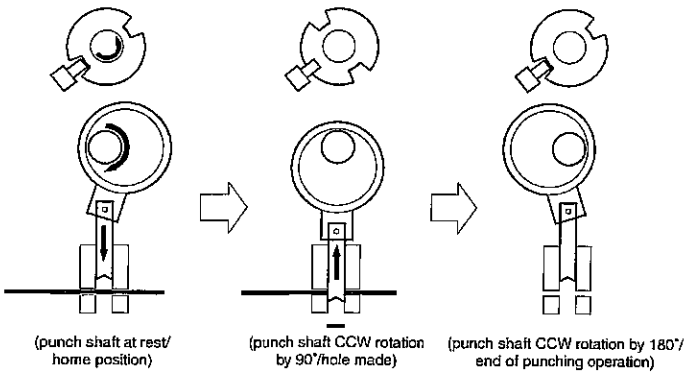
The home position is identified when the punch home position is ON. The punching operation for the first sheet ends when the punch shaft has rotated 180× and the punch home position sensor goes ON; the punching operation for the second sheet ends when the punch shaft has rotated 180× in reverse and the punch home position sensor goes ON.

The punching operation takes place as follows when making a hole in two sheets of paper.

1) A hole is punched along the trailing edge of the 1st sheet.



2) A hole is made along the trailing edge of the 2nd sheet.


(punch shaft at rest/ home position)
(punch shaft CCW rotation by 90°/hole made)
(punch shaft CCW rotation by 180°/ end of punching operation)

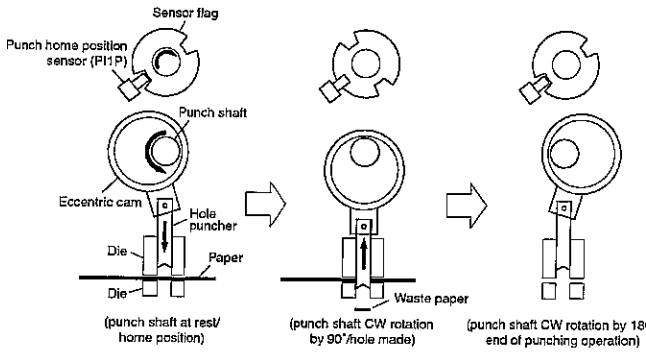
b.2- /3-Hole Type

The home position is identified when the punch home position sensor is ON. To make two holes, the punching operation for the first sheet ends when the punch shaft rotates 180° (half circumference) and the punch home position sensor goes ON. At this time, the 3-hole puncher makes a single round trip in escape direction (moving up the hole puncher) on a half circumference of the punch shaft.

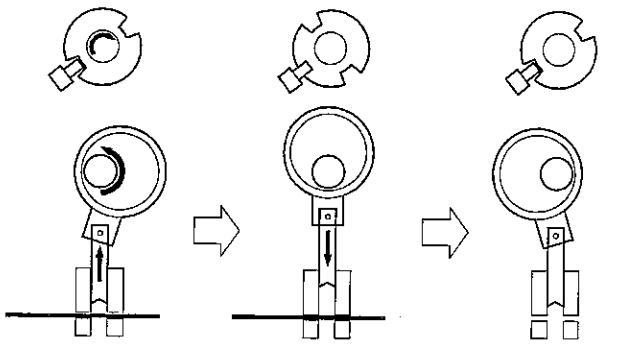
The punching operation for the second sheet ends when the Punch shaft has rotated 180° counterclockwise and the punch home position sensor goes ON (half circumference). At this time, the 3-hole puncher makes a single round trip in escape direction (moving up the hole puncher) on the other half circumference of the punch shaft.

The punching operation takes place as follows when making two holes in two sheets of paper:

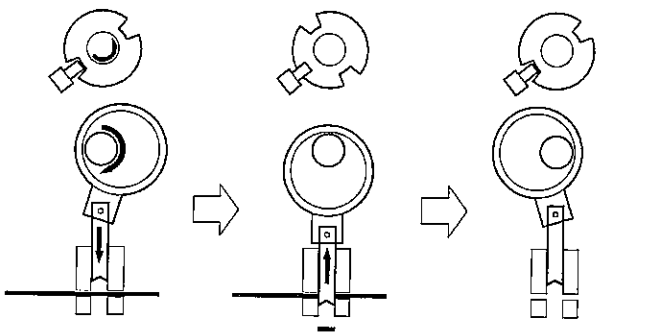
1) A hole is made along the trailing edge of the 1st sheet.



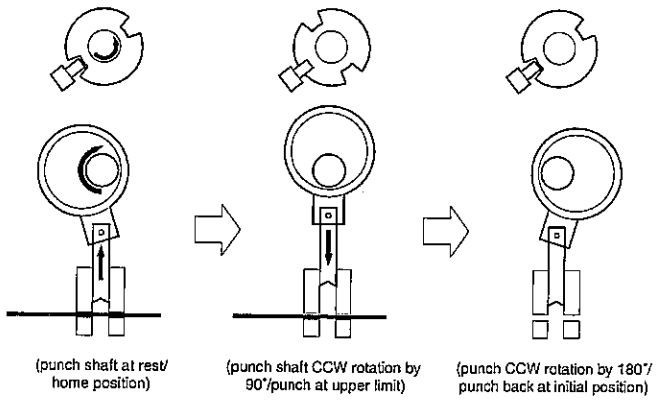
While two holes are being made, the 3-hole puncher makes a sing round trip in escape direction.


(punch shaft at rest/ home position)
(punch shaft CW rotation by 90°/ punch at upper limit)
(punch shaft CW rotation by 180 punch back to initial position)

2) Holes are made along the trailing edge of the 2nd sheet.


(punch shaft at rest/ home position)
(punch shaft CCW rotation by 90°/hole made)
(punch shaft CCW rotation by 180 end of punching operation)

While two hole are being made, the 3-hole puncher makes a singl round trip in escape direction (moving up the hole puncher).

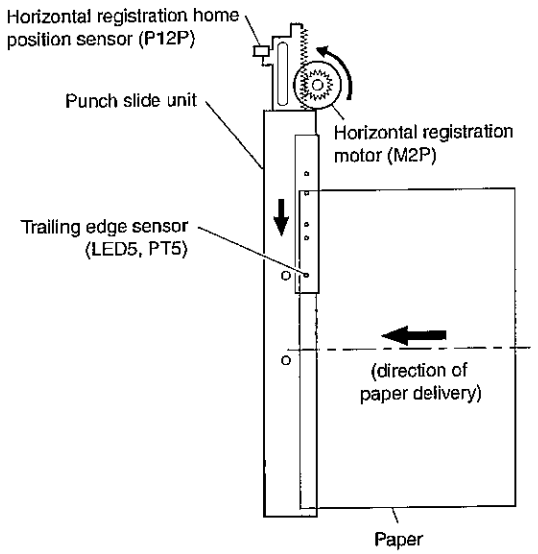

(punch shaft at rest/ home position)
(punch shaft CCW rotation by 90°/punch at upper limit)
(punch CCW rotation by 180°/ punch back at initial position)

(3)Horizontal Registration Operation

The horizontal registration drive for the punch slide unit is provided by the horizontal registration motor (FPSM). The home position of the punch slide unit is detected by the horizontal registration home position sensor (PSHPS). The punch slide unit detects the trailing edge of sheets using the trailing edge sensor (LED5, PT5) and the horizontal registration sensors (LED1 through 4, SREG1 through 4), and causes a move to a specific position matching the trailing edge of each sheet (in relation to the size of the sheet).

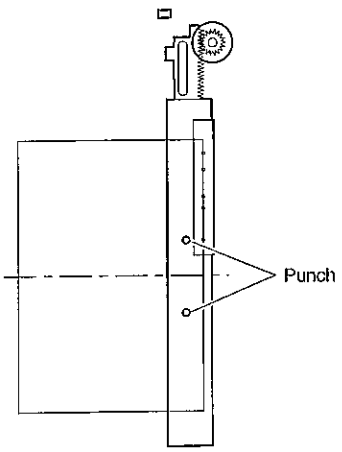
The horizontal registration operation takes place as follows:

1) When the leading edge of a sheet from the host machine is detected by the trailing edge sensor (LED5, PT5), the horizontal registration motor (FPSM) starts to move the punch slide unit toward the front.



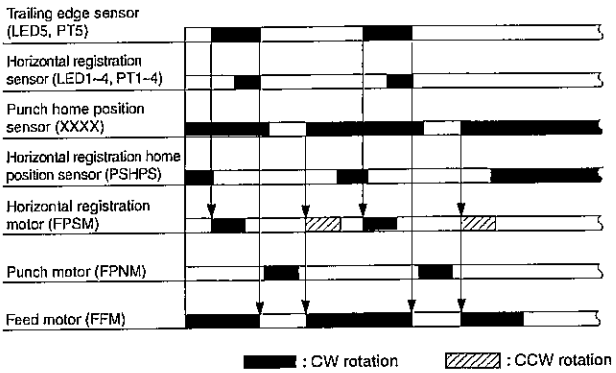
2) When the horizontal registration sensor (LED1 through 4, PT1 through) suited to the paper size signal from the host machine detects the rear edge of the sheet, the horizontal registration motor (FPSM) causes a farther move to a specific position, and stops the punch slide unit.

3) When the trailing edge sensor (LED5, PT5) detects the trailing edge of the sheet, the drive of the feed motor (FFM) is stopped, thereby stopping the sheet. Then, the punch motor (FPNM) is driven to punch holes in the sheet.



4) When the punching operation ends, the feed motor (FFM) of the fisher unit is driven and, at the same time, the horizontal registration motor (FPSM) is rotated in reverse to return the punch slide unit to its home position.

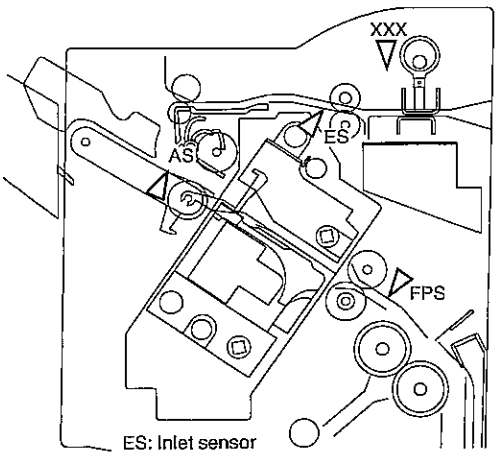
5) For each sheet that arrives in succession, the punch slide unit is returned to its home position, and is caused to repeat steps 1 through 4 .


Trailing edge sensor (LED5, PT5)
Horizontal registration sensor (LED1~4, PT1~4)
Punch home position sensor (XXXX)
Horizontal registration home position sensor (PSHPS)
Horizontal registration motor (FPSM)
Punch motor (FPNM)
Feed motor (FFM)
: CW rotation
: CCW rotation

7. Detecting Jams

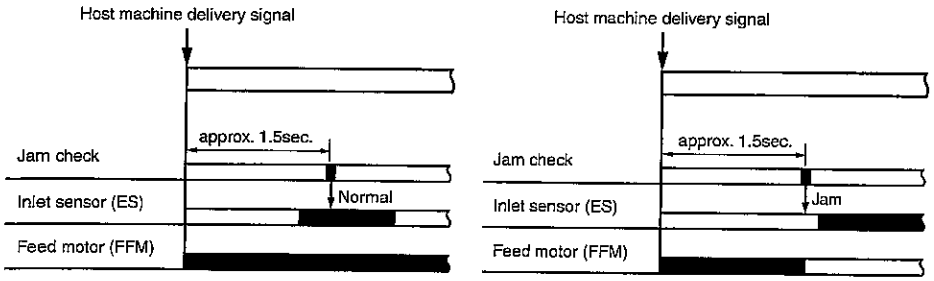
A.Outline

The microprocessor (CPU) on the finisher controller PCB is programmed to check for jams in the finisher/saddle/puncher (option) at such times as set in advance. It identifies a jam in reference to the presence/absence of paper at a specific sensor. If a jam is found, the finisher controller PCB communicates the nature of the jam to the host machine in the form of a code(which may be checked in service mode of the host machine).



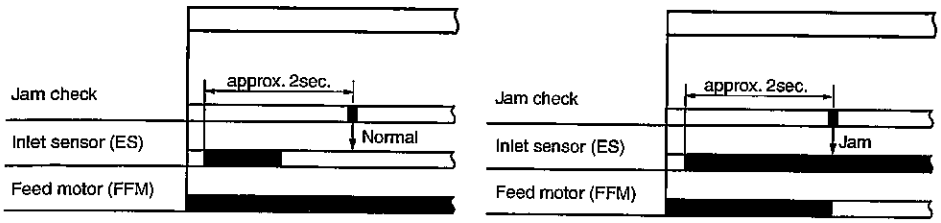
(1)Inlet Sensor Delay Jam

The inlet sensor does not detect paper approximately 1.5 sec after the host machine generates the delivery signal.



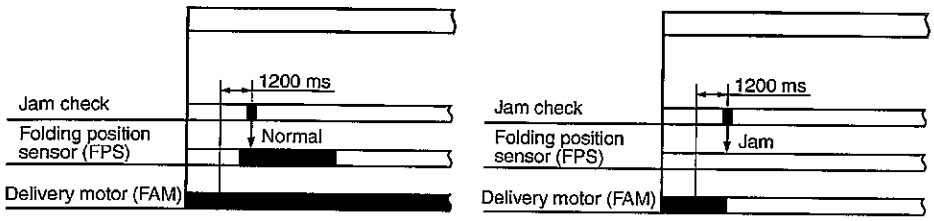
(2)Inlet Sensor Stationary Jam

The paper does not leave the inlet sensor approximately 2 sec after the inlet sensor has detected its leading edge.



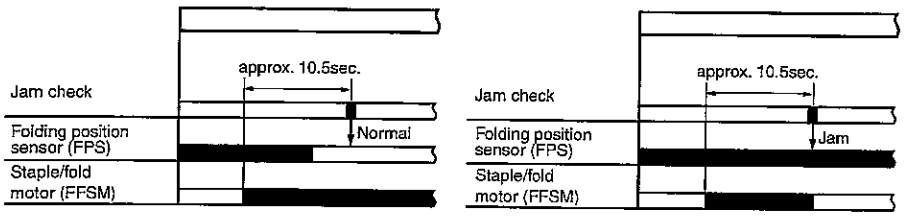
(3)Folding Position Sensor Delay Jam

In bind mode, the folding position sensor does not detect paper 1200 msec after the intermediate processing tray starts to send paper to the staplir position.



(4)Folding Position Sensor Stationary Jam

In bind mode, paper does not leave the holding position sensor approximately 10.5 sec after the staple/fold motor is driven.



(5)Power-On Jam

Paper is detected inside the finisher at power-on or when the door is closed.

(6)Door Open Jam (paper present)

The finisher is disconnected from its host machine or the front door, or the upper cover is opened while the system is in operation (paper on the move

(7)Staple Jam

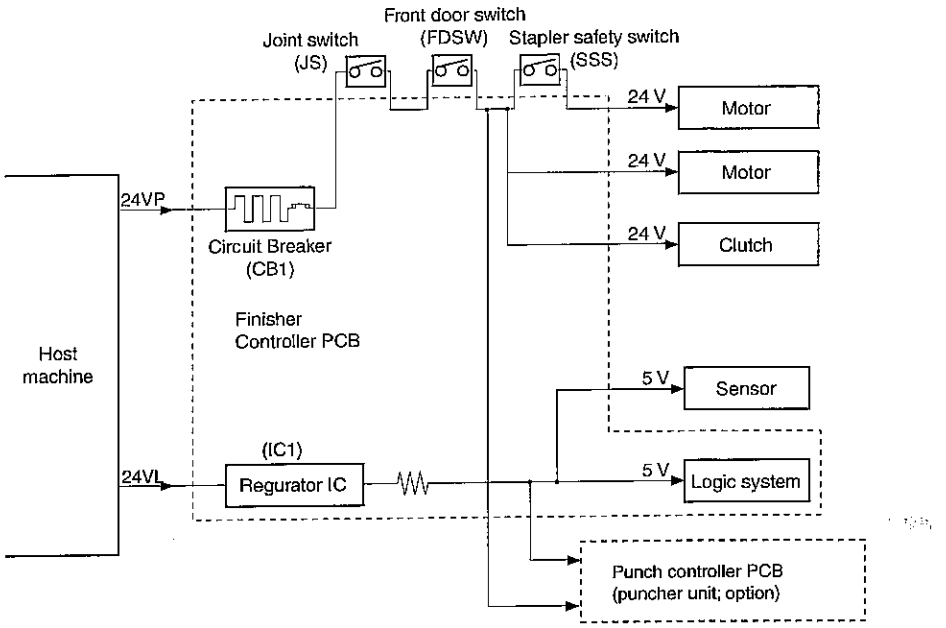
The staple home position sensor (STHPS) does not go OFF 600 msec after the stapler is driven. Or, it does not return to its home position (where th sensor goes ON).

8. Power Supply System

A.Finisher/Saddle Assembly

(1)Outline

When the host machine is turned on, it supplies the finisher controller PCB with two channels of 24 VDC; one is for the motors and clutches, and the other is turned into 5 VDC by the regulator IC (IC1) of the finisher controller PCB for use by the sensors and ICs on PCBs.
If a punch unit (option) is installed, power is also supplied to the punch controller PCB.
Some of 24 VDC used to drive motors is cut off when the joint switch (JS), front door switch (FDSW), or stapler safety switch (SSS) is open.
Block diagram of the power supply system:



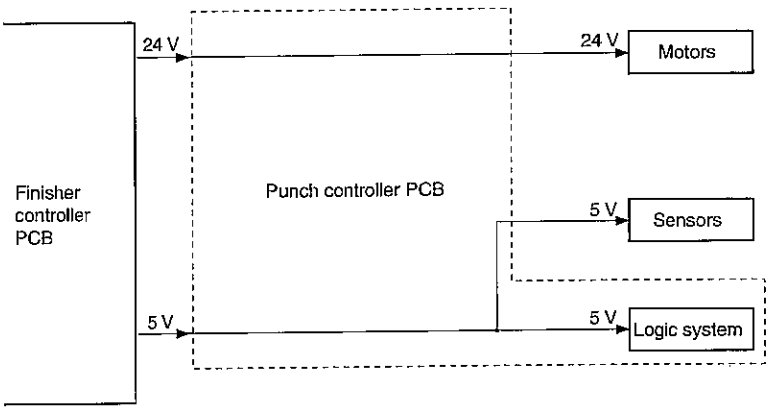
(2)Protective Mechanisms

A circuit breaker (CB1) is monitored to protect the 24 VDC system sued to drive the motors against overcurrent. The 24-V system used to drive the feed motor (FFM), paddle motor (FPM), and delivery motor (FAM) is equipped with a fuse which melts in the presence of overcurrent.

A.Puncher Unit (option)

(1)Outline

When the host machine is turned on, the puncher unit is supplied by the finisher controller PCB with 24-V and 5-V power.
The 24-V power is used to drive the motors, while the 5-V power is used by sensors and the ICs on the punch controller PCB.
The 24-V power to the motors will be cut off when the joint switch (MS2) or the front door switch (MS1) of the finisher unit is open.
Block diagram for the power supply system:



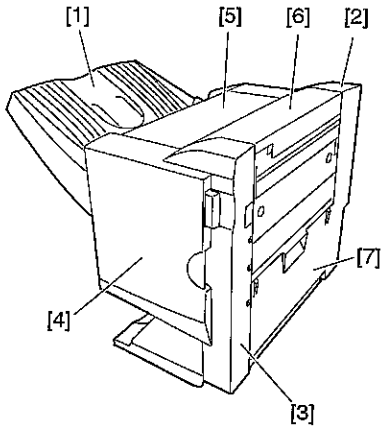
(2)Protective Mechanisms

The 24-V system used to drive the punch motor (FPNM) and the horizontal registration motor (FPSM) is equipped with a built-in fuse which melts in the presence of overcurrent.

[5] DISASSEMBLY AND ASSEMBLY

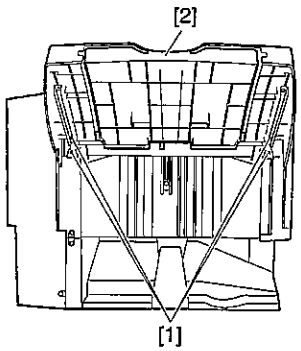
1. Finisher Saddle Unit

A. Externals and Controls



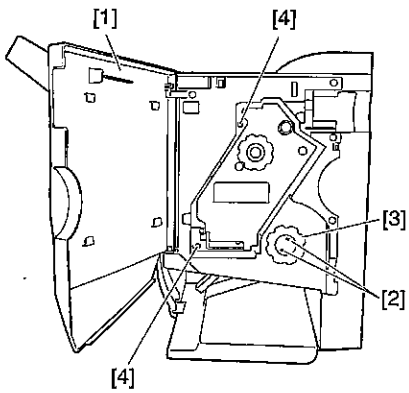
(1)Removing the Delivery Tray

1) Remove the four screws [1], and detach the delivery tray [2].

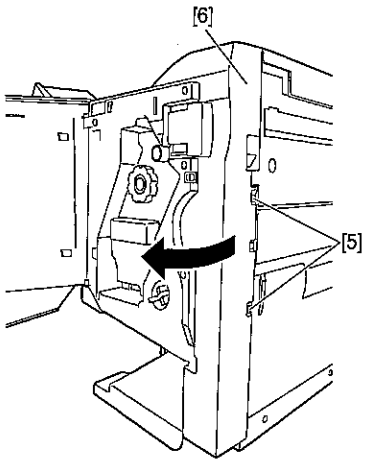


(2)Removing the Front Cover

1) Open the front door [1].
2) While picking the claw [2], detach the fold jam releasing dial [3].
3) Remove the two screws [4].

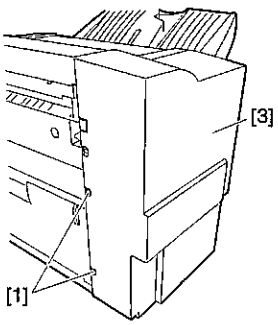


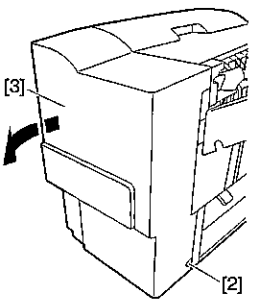
4) Remove the three screws [5], and detach the front cover [6].



(3)Removing the Rear Cover

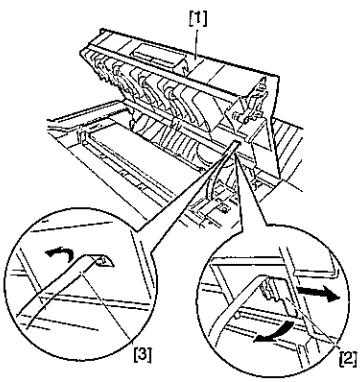
1) Remove the two screws [1] on the pickup side, and remove t screw [2] on the delivery side; then, detach the rear cover [3].



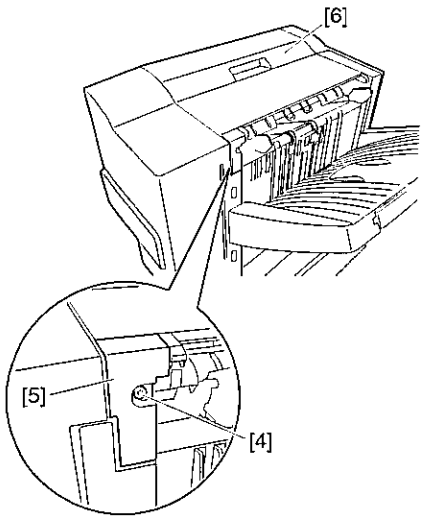


(4)Removing the Upper Cover

1) Open the upper cover [1], and turn the cover band retainer [2] to th left to remove it.
2) Remove the cover band [3].

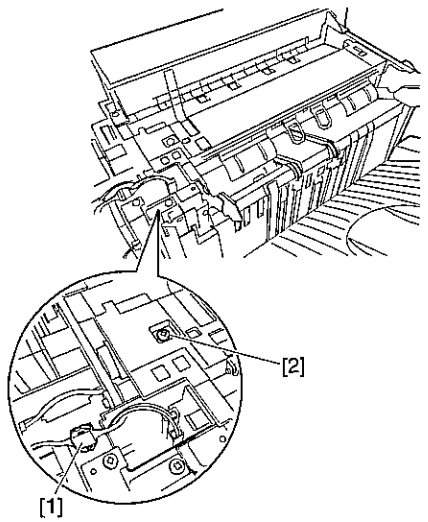


3) Remove the screw [4], and detach the processing tray rear cover [5]; then, detach the upper.

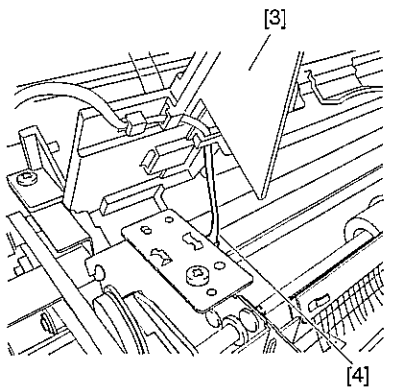


(5)Removing the Processing Tray Upper Cover

1) Remove the front cover. (See 1.A.(2).)
2) Remove the rear cover. (See 1.A.(3).)
3) Remove the upper cover. (See 1.A.(4).)
4) Disconnect the connector [1], and remove the screw [2].

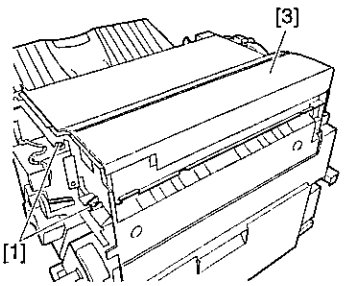


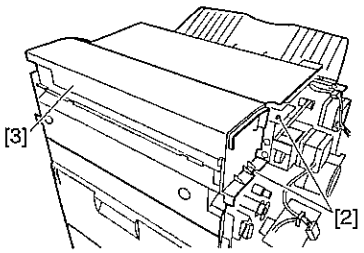
5) While lifting the processing tray upper cover [3], disconnect the connector [4]; then, detach the processing tray upper cover [3].



(6)Removing the Upper Right Cover Assembly

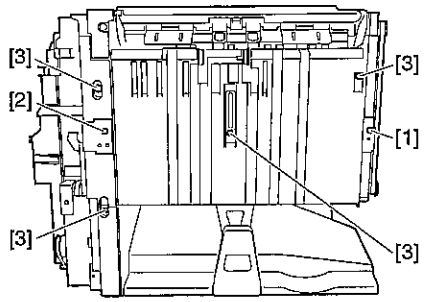
1) Remove the front cover. (See 1.A.(2).)
2) Remove the rear cover. (See 1.A.(3).)
3) Remove the two screws [1] at the front and the two screws [2] at the rear; then, detach the upper right cover assembly [3].



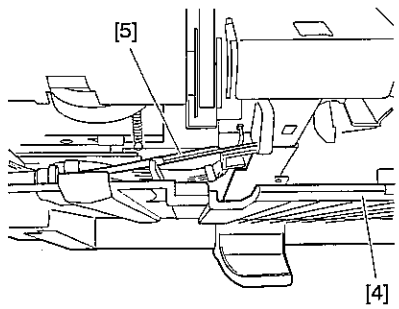


(7)Removing the Saddle Guide

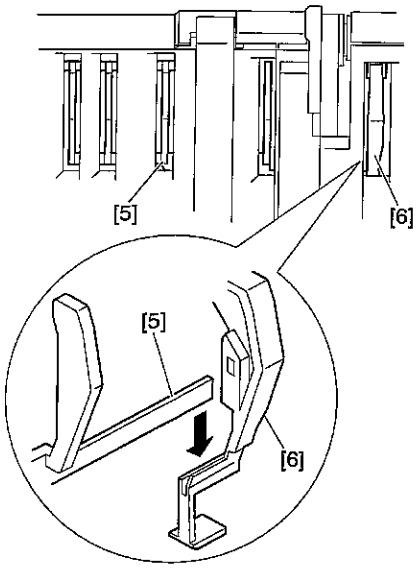
1) Remove the delivery tray. (See 1.A.(1).)
2) Remove the front cover. (See 1.A.(2).)
3) Remove the rear cover. (See 1.A.(3).)
4) Free the delivery tray support plate (front) [1] and the delivery tray support plate (rear) [2] to the outside from the rail grooves.
5) Remove the four screws [3].



6) Shift the side guide [4] lightly to the front, and free the engagement of the paper surface detecting lever (rear) [5]; then, detach the side guide [4].



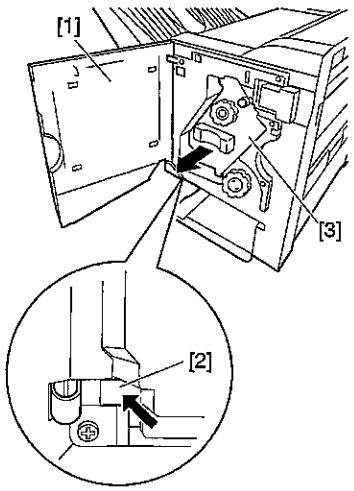
NOTE: Be sure to mount the side guide after securely fitting the paper surface detecting lever (rear) [5] in the groove of the paper surface detecting lever (middle) [6].
After completion of mounting, push the paper surface detecting lever several times to make sure that side guide is mounted securely.



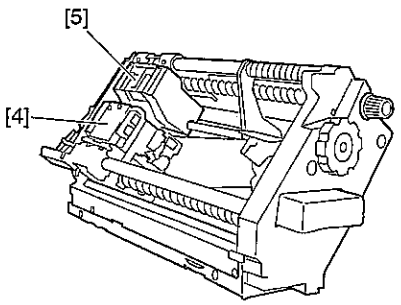
B.Feeding System

(1)Removing the Stapler Unit

1) Open the front door [1].
2) Slide out the stapler unit [3] while pressing the stopper [2].

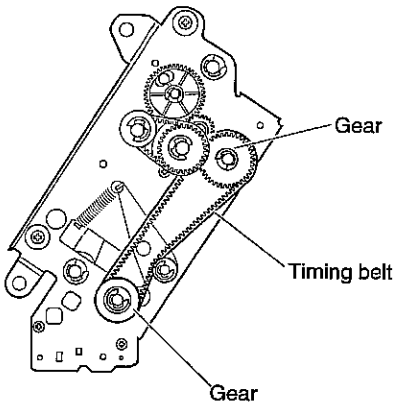


NOTE: Do not remove the stapler stapler frame shaft. If removed, the position where the staple driver (lower unit of the stapler) [4] shoots stables will shift from the position where the staple clincher (upper unit of the stapler) [5] receives staples.

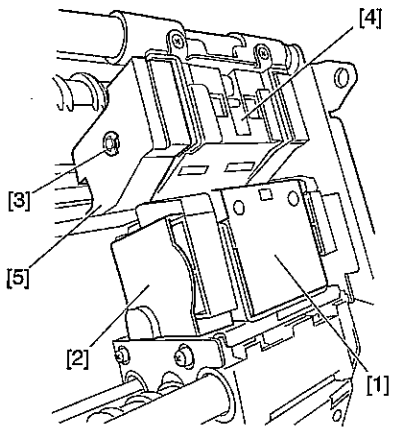


(2)Adjusting the Stapler Phase

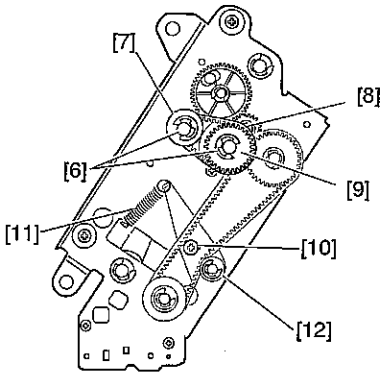
When the gears or timing belt at the front of the stapler is replaced removed for some reason, the staple shooting timing of the (lower uni the stapler) does not match the staple bending timing of the sta clincher (upper unit of the stapler). Adjust the stapler phase following procedure described below.



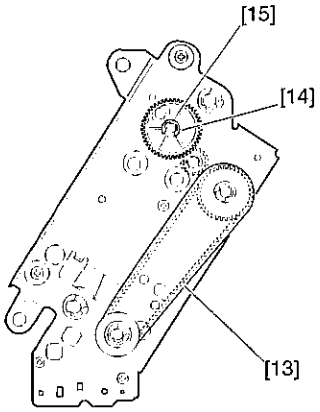
1) Detach the gear cover [2] from the staple driver [1].
2) Remove the E-ring [3] to detach the side cover [5] of the stap clincher [4].



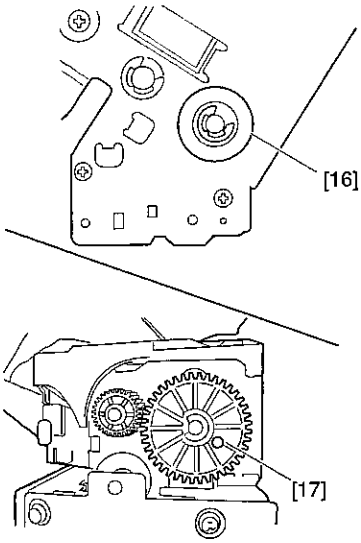
3) Remove the two E-rings [6] to remove the staple jam releasing ge [7], timing belt [8], and relay gear 1 [9]. Remove the spacer ar spring at the back of the staple jam releasing gear.
4) Remove the screw [10] and spring [11] to remove the belt tensione [12].



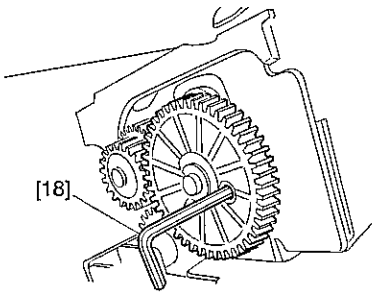
5) Remove the timing belt [13].
6) Remove the E-ring [14] to remove the staple position check gear [15].



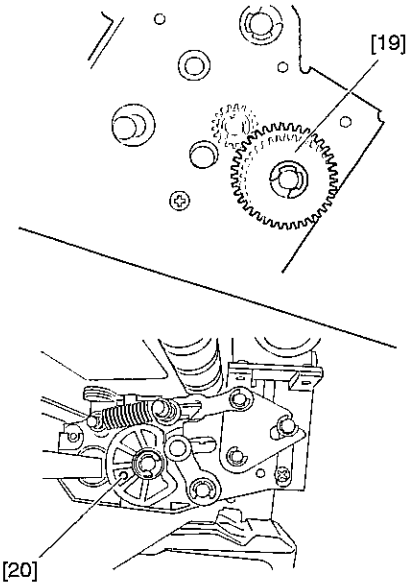
7) Turn the gear [16] to align the round hole in the staple driver gear with the round hole [17] at the back.



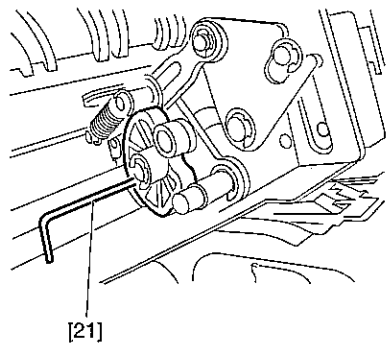
8) Insert a pin [18] with a diameter of approximately 2 mm (use recommended) in the round hole to secure the gear.



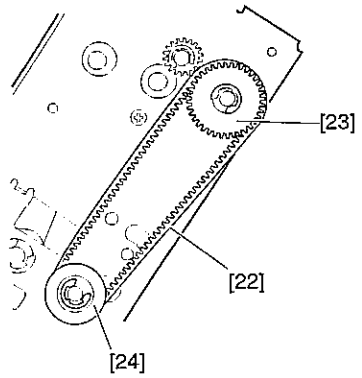
9) Turn the gear [19] to align the round hole in the staple clincher cam with the round hole [20] at the back.



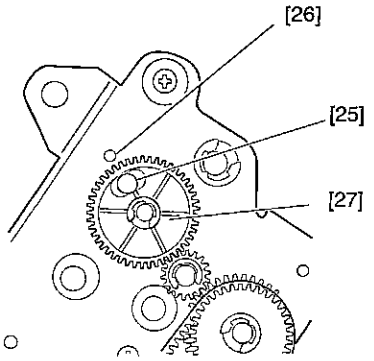
10) Insert a pin [21] with a diameter of approximately 2 mm (use of a 2 mm Allen wrench is recommended) in the round hole to secure the gear.



11) With the gears and cam fixed, install the timing belt [22] on gears [23] and [24].



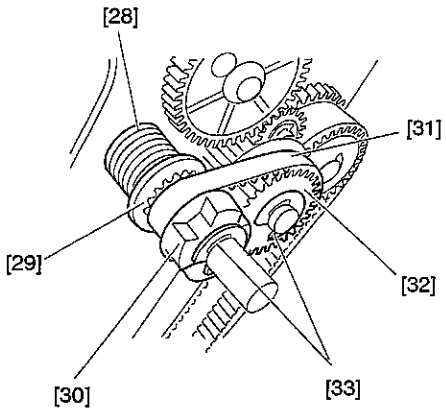
12) Mount the staple position check gear [27] so that the blue mark [25] on the staple position check gear is aligned with the round hole [26] in the frame.



NOTE: The position where the blue mark is aligned with the round hole is the home position for stapling. If the staple jam cancel dial is turned for some reason, the home position deviates, making it impossible to remove the stapler cartridge. If such a case, the gear can be returned to the home position by checking blue mark position. Therefore, it is necessary to mount the gear at the correct position.

13) Remove the pin securing the gear to the cam.

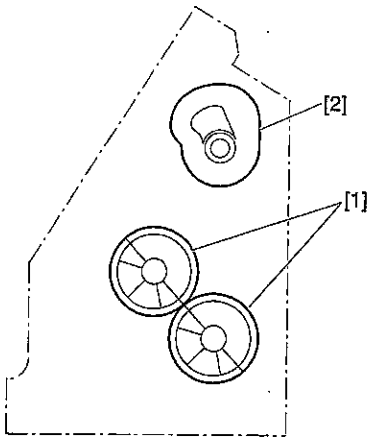
14) Assemble the spring [28], spacer [29], staple jam releasing gear [30], timing belt [31], and relay gear [32] and secure them with the E-ring [33].



(3)Adjusting the Phase of the Gear in the Saddle Unit

If the gears at the front of the saddle unit or the paper fold rollers in sale unit are replaced or removed for some reason, adjust the g phase following the procedure described below.

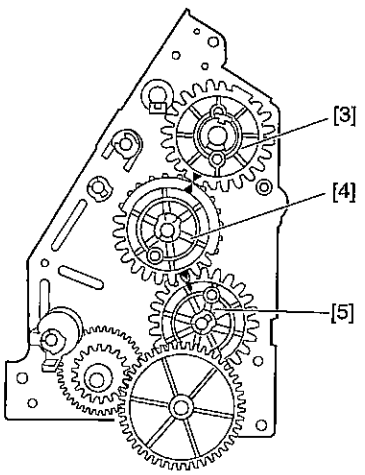
1) The paper fold rollers [1] and saddle cam [2] must be positioned shown below.



2) With the paper fold rollers and saddle cam positioned as shown ir figure above, mount gears as shown in a figure below.

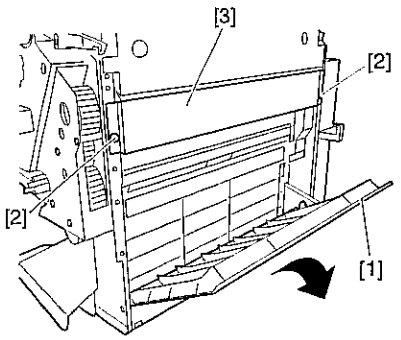
•Align the △ mark (either of two △ marks) on the saddle cam dri gear [3] with the △ mark on the relay gear [4] (on the half of t periphery where gears with a smaller face width are arranged).

•With the △ mark on the saddle cam drive gear [3] aligned with the mark on the relay gear [4], align the other △ mark on the relay ge with the rib of the paper folding roller drive gear [5].

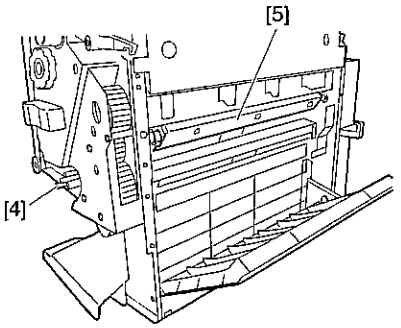


(4)Removing the Saddle Unit

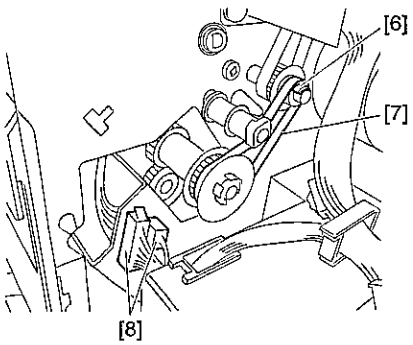
1) Remove the front cover. (See 1.A.(2).)
2) Remove the rear cover. (See 1.A.(3).)
3) Open the jam removal cover [1]; then, remove the two screws [2] and the right stay [3].



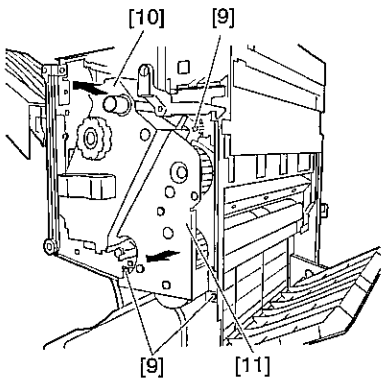
4) Turn the fold jam releasing dial assembly [4] to move the paper retaining plate assembly [5] to the inside.



5) Remove the stop ring [6], and detach the timing belt [7].
6) Disconnect the two connectors [8].

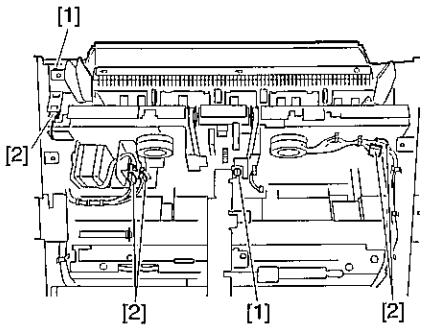


7) Remove the three screws [9], and slide out the stapler unit [10] slightly to the front.
8) Slide out the saddle unit [11] to the front.

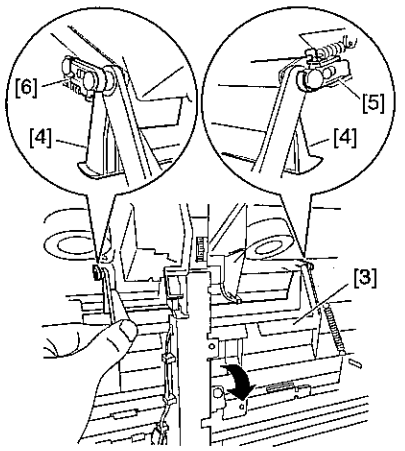


(5) Removing the Processing Tray Assembly

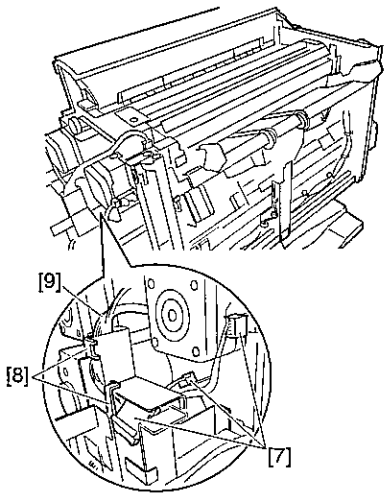
1) Remove the processing tray upper cover. (See 1.A.(5).)
2) Remove the side guide. (See 1.A.(7).)
3) Remove the two screws [1], and disconnect the five connectors [2].



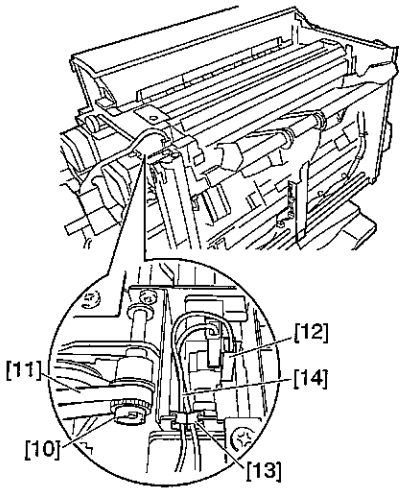
4) Pull the processing stopper base [3] to the front, and free the claw [5] at the front and the claw [6] at the rear of the processing stopper [4].



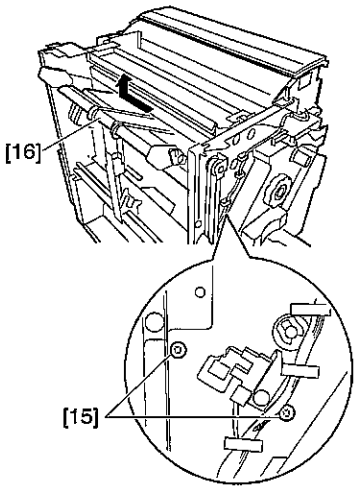
5) Disconnect the three connectors [7].
6) Release the two claws [8] of the harness retainer, and detach the motor harness [9].



7) Remove the stop ring [10], and detach the timing belt [11].
8) Disconnect the connector [12], and free the harness [14] from the edge saddle [13].



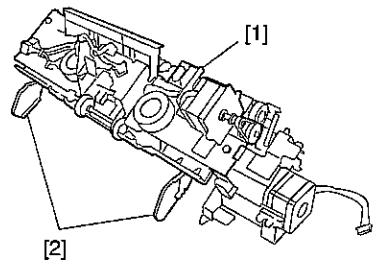
9) Remove the two screws [15], and slide the processing tray assembly [16] to the rear; then, lift it to detach.



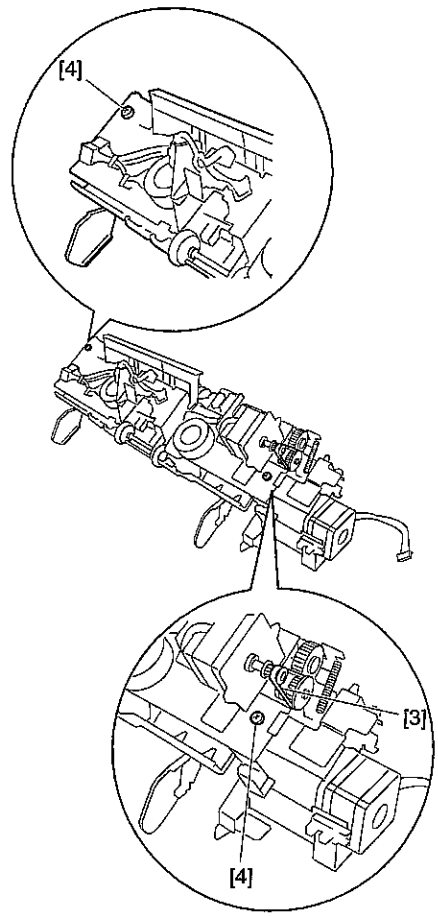
(6) Removing the Paddle Assembly

1) Remove the processing tray assembly. (See 1.B.(3).)
2) Place the processing tray assembly [1] as shown.

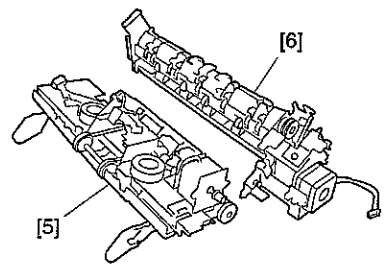
NOTE: Be sure to take care not to damage the aligning plate [2].



3) Detach the timing belt [3], and remove the two screws [4].

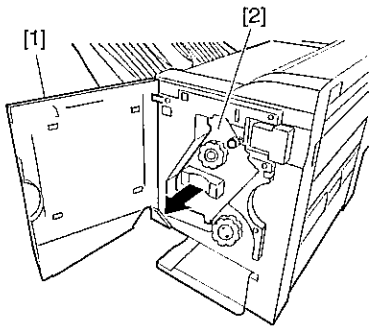


4) Separate the processing tray assembly [5] and the paddle assemb [6] as shown.

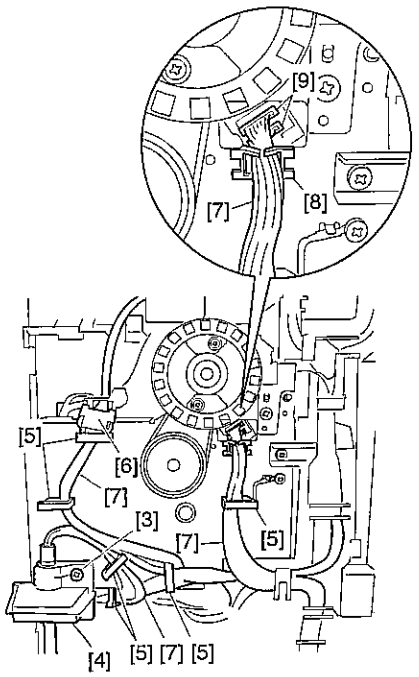


(7)Removing the Staple/Fold Drive Unit

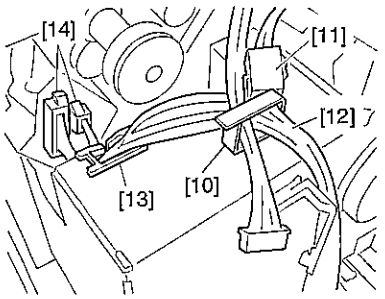
1) Open the front door [1], and slide out the stapler unit [2] slightly to the front.



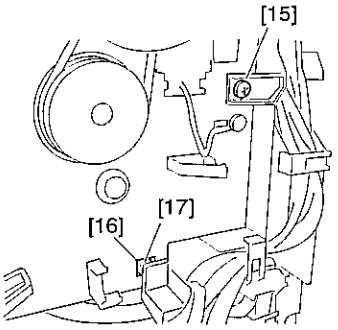
2) Remove the screw [3], and detach the interface retainer [4].
3) Free the six harness retainers [5], and disconnect the connector [6].
4) Free the harness [7] from the harness retainer [5].
5) Free the harness [7] from the edge saddle [8]; then, disconnect the two connectors [9].



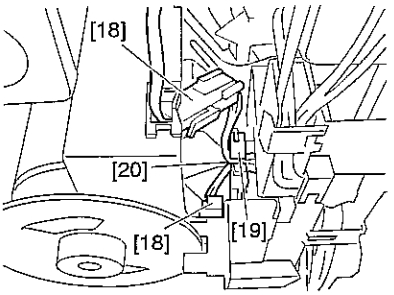
6) Release the harness retainer [10], and disconnect the connector [11].
7) Free the harness [12] from the harness retainer [10].
8) Free the harness [12] for the edge saddle [13]; and disconnect the two connectors [14].



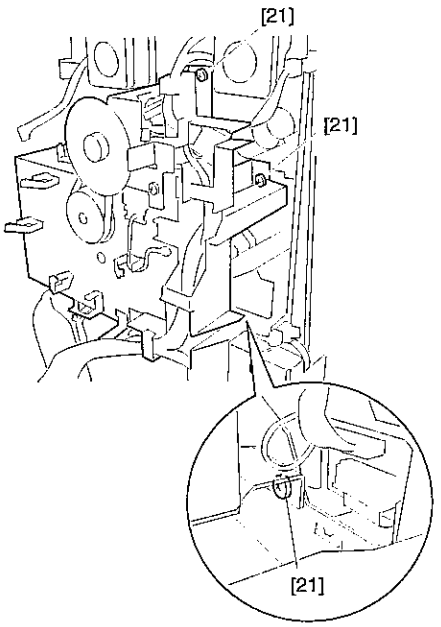
9) Remove the screw [15], and free the claw [17] of the harness guide from the long angle [16] of the base plate.



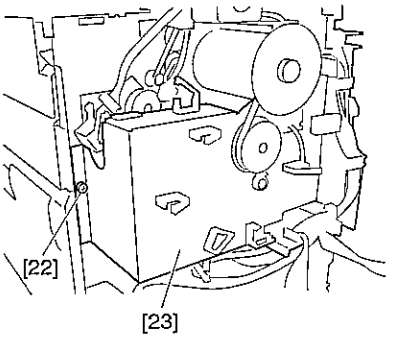
10) Disconnect the two connectors [18], and free the harness [20] from the edge saddle [19].



11) Remove the three screws [21].

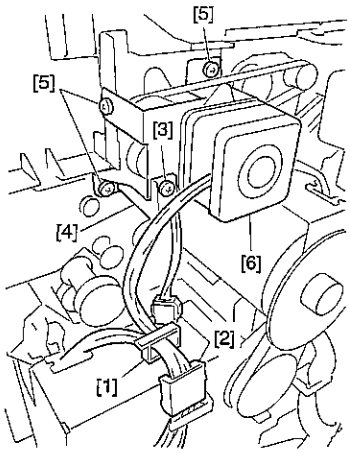


12) Remove the screw [22], and detach the staple/fold drive unit [23].



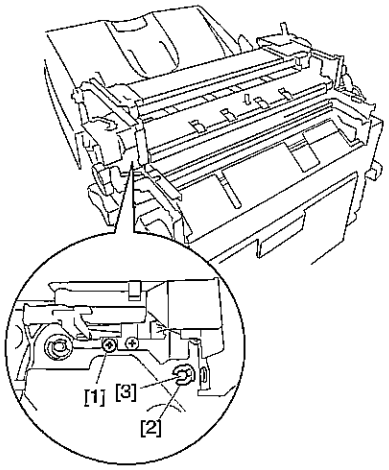
(8)Removing the Feed Motor Unit

1) Remove the rear cover. (See 1.A.(3).)
2) Open the harness retainer [1], and disconnect the two connectors [2].
3) Remove the screw [3], and detach the harness guide [4].
4) Remove the three screws [5], and detach the feed motor unit [6].

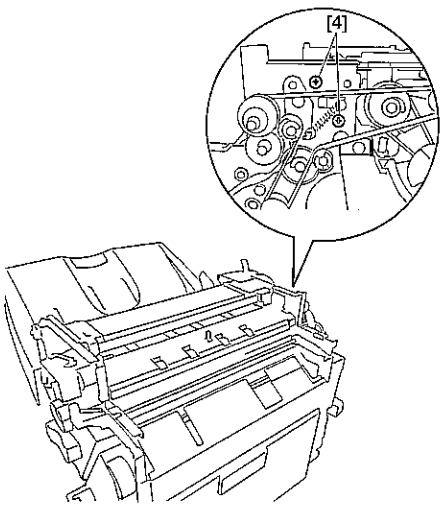


(9)Removing the Feed Roller

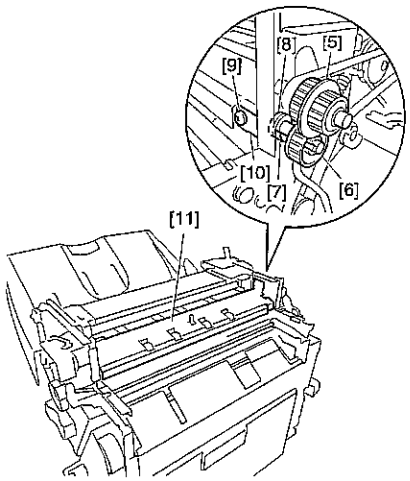
1) Remove the upper cover. (See 1.A.(4).)
2) Remove the upper right cover assembly. (See 1.A.(6).)
3) Remove the feed motor unit. (See 1.B.(6).)
4) Remove the screw [1].
5) Remove the stop ring [2], and detach the bushing [3].



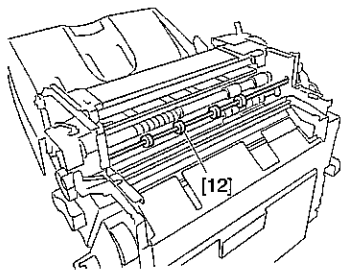
6) Remove the two screws [4].



7) Remove the gear [5], and detach the gear [6] while spreading claw.
8) Remove the stop ring [7], and detach the bushing [8].
9) Remove the screw [9], and detach the inlet sensor [10].
10) Remove the lower paper guide [11].

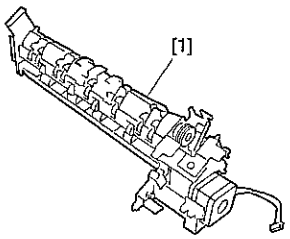


11) Remove the feed roller [12].

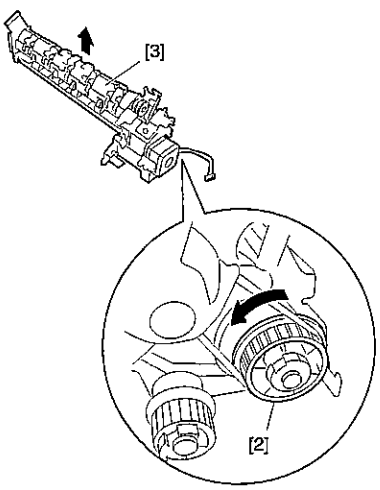


(10)Removing the Stack delivery roller (upper)

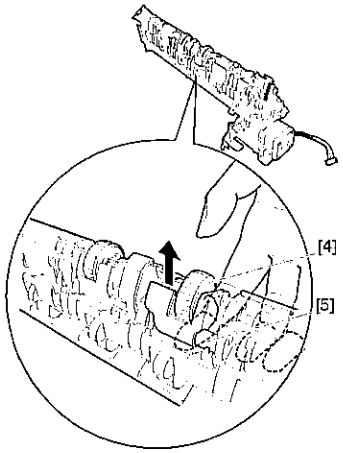
1) Remove the paddle assembly. (See 1.B.(4).)
2) Place the paddle assembly [1] as shown.



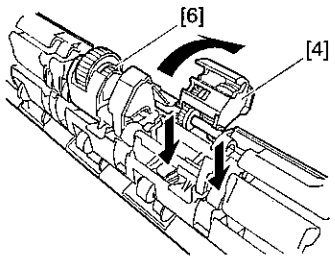
3) Turn the gear [2] in the direction of the arrow to move up the stac delivery roller assembly (upper) [3].



4) Push up the stack delivery roller (upper) [4] from below to free the stack deliver roller (upper) [4] from the shaft [5].

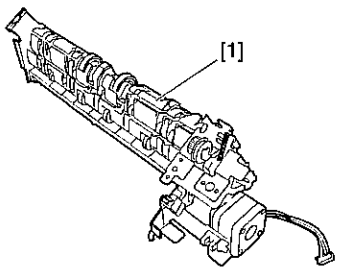


5) Shift up the stack delivery roller (upper) [4], and then push it down to detach the stack deliver roller (upper) [4].
6) Likewise, remove the stack delivery roller (upper) [6] at the front.

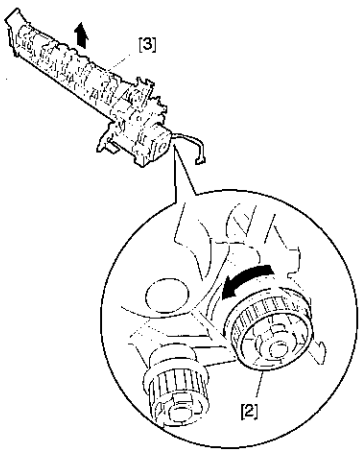


(11) Removing the Paddle

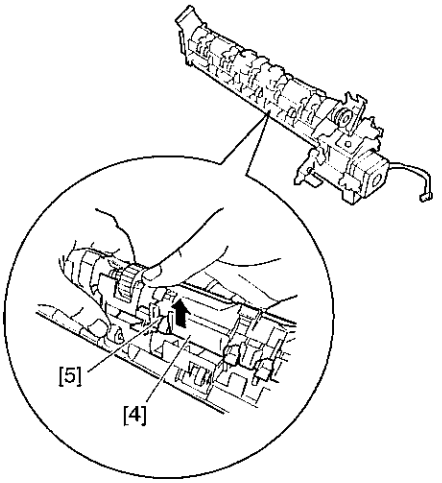
1) Remove the paddle assembly. (See 1.B.(4).)
2) Place the paddle assembly [1] as shown.



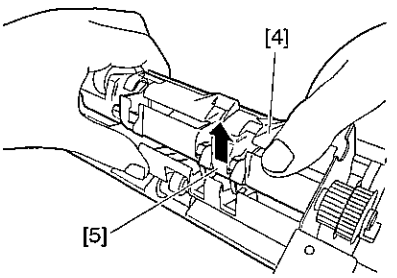
3) Turn the gear [2] in the direction of the arrow to move up the stack delivery roller assembly (upper) [3].



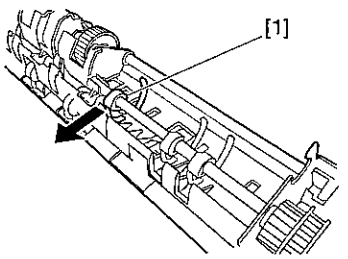
4) Push up the safety guide [4] from below to free one side of the safety guide [4] from the shaft [5].



5) Push up the safety guide [4] from below to free the safety guide [4] from the shaft [5].

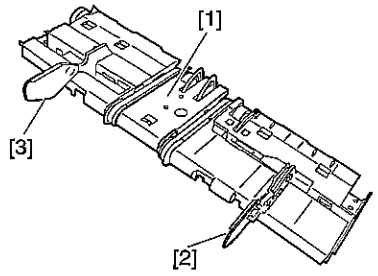


6) Remove the paddle [6] in the direction of the arrow.
7) Likewise, remove the other paddle.

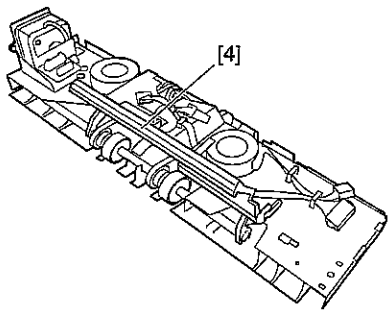


(12)Removing the Stack delivery roller (lower)/Delivery Belt

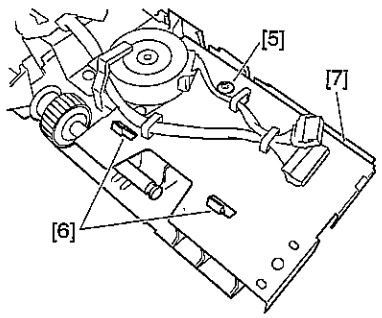
1) Remove paddle assembly, and separate it from the processing tray assembly. (See 1.B.(4).)
2) Slide the aligning plate (front) [2] and the aligning plate (rear) [3] of the processing tray assembly [1] by sliding them to the outside.



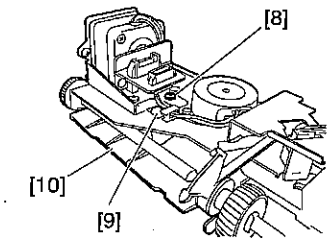
3) Remove the processing tray stopper [4].



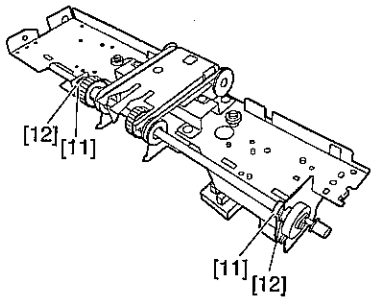
4) Remove the screw [5], and detach the paper guide (front) [7] while freeing the two claws [6].



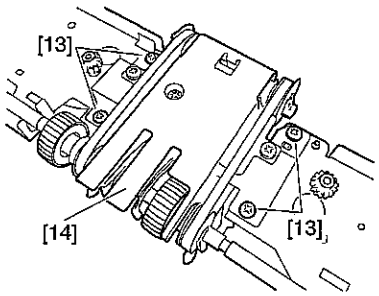
5) Remove the screw [8]; then, while freeing the claw [9], detach the paper guide (rear) [10].



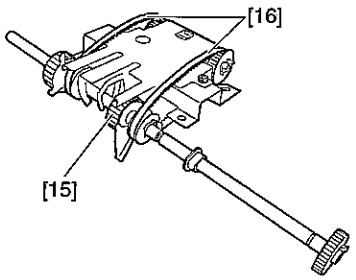
6) Remove the two stop rings [11]; then, move the two bushings [12 the inside.



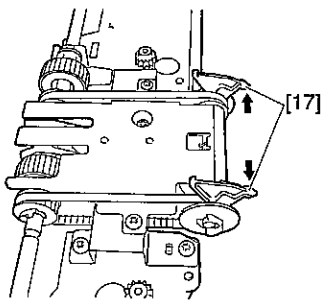
7) Remove the four screws [13]; then, lift the stack delivery rol assembly (lower) [14] to detach.



8) Remove the stack delivery roller (lower) [15] and the two delive belts [16].



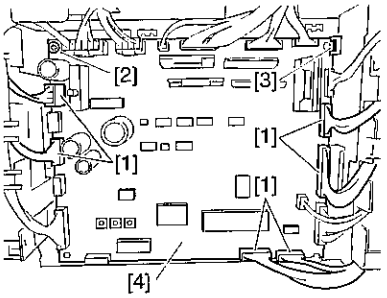
NOTE: Be sure to mount them so that the edges [17] of the claws of th delivery belts are flush.



C. PCBs

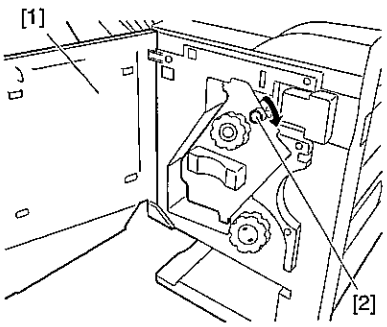
(1)Removing the Finisher Controller PCB

1) Remove the rear cover. (See 1.A.(3).)
2) Disconnect the 17 connectors [1], and remove the screw [2].
3) Free the PCB retainer [3], and detach the finisher controller PCB [4].

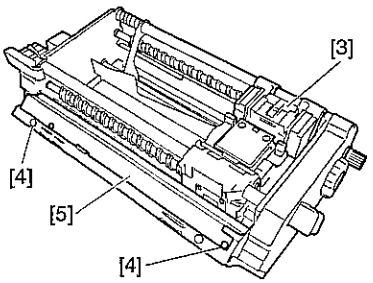


(2)Removing the Slide Home Position PCB

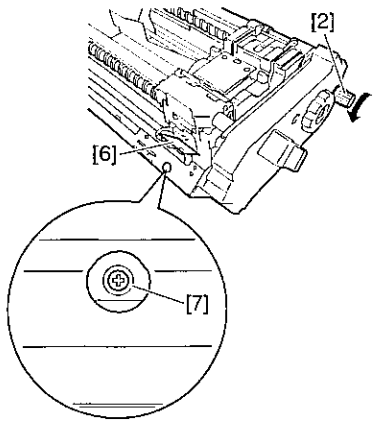
1) Open the front door [1], and turn the tab [2] on the stapler slide in the direction of the arrow to slide the stapler to the frontmost point.
2) Remove the stapler unit. (See 1.B.(1).)



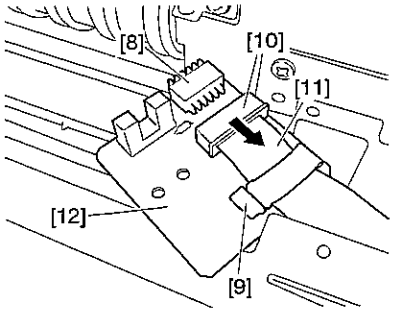
3) Place the stapler unit [3] as shown.
4) Remove the two screws [4], and detach the guide [5].



5) Turn the tab [2] on the stapler side in the direction of the arrow so that that the fixing screw [7] of the slide home position PCB [6] is in view through the round hole.
6) Remove the fixing screw [7].



7) Disconnect the connector [8].
8) Remove the flexible cable retainer [9].
9) Free the lock [10] of the connector in the direction of the arrow; then, detach the flexible cable [11], and then detach the side home position PCB [12].

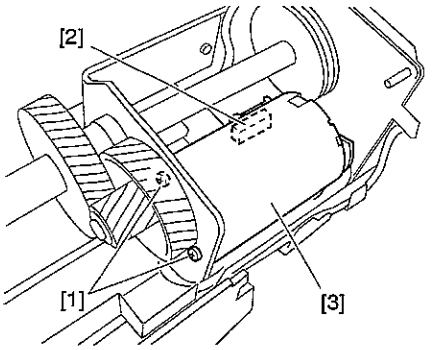


2. Punch Unit (AR-PN1)

A.Punch Driving System

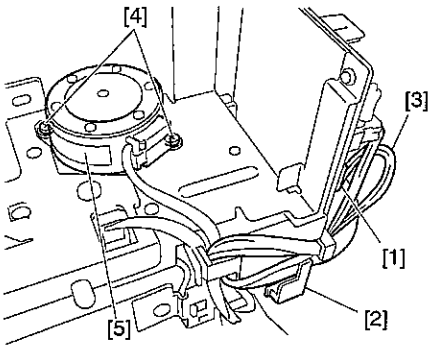
(1)Removing the Punch Motor

1) Remove the two screws [1].
2) Disconnect the connector [2] to remove the punch motor [3].



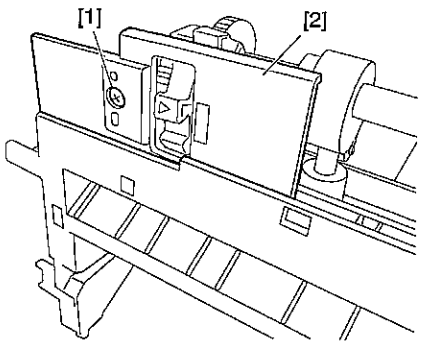
(2)Removing the Horizontal Registration Motor

1) Disconnect connector [1].
2) Remove the harness [3] from the harness guide [2].
3) Remove the two screws [4] to remove the horizontal registration motor [5].

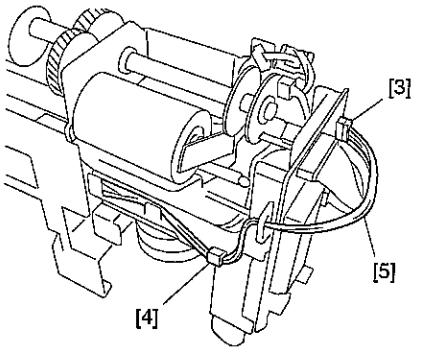


(3)Removing the Punch Unit

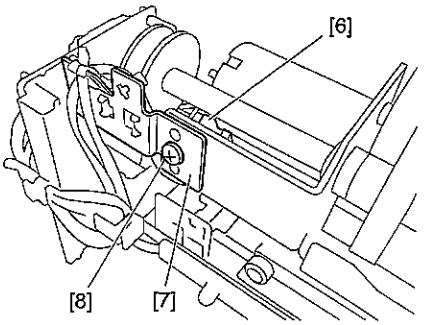
1) Remove the waste case.
2) Remove the screw [1] to detach the jam processing cover [2].



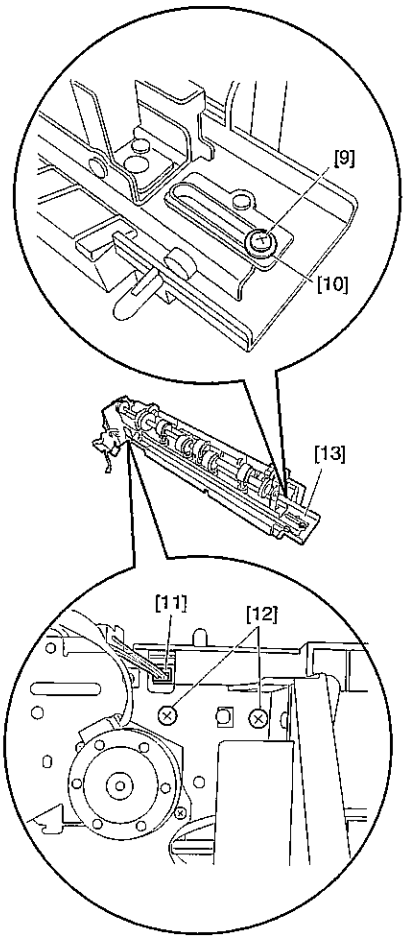
3) Disconnect the connector [3]
4) Remove the harness [5] from the harness guide [4].



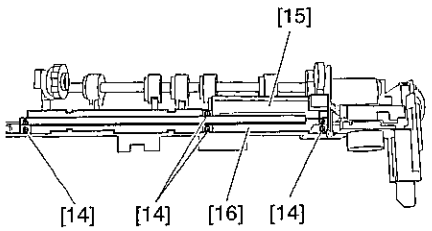
5) Disconnect the connector [6].
6) Remove the screw [7] and sensor support plate [8].



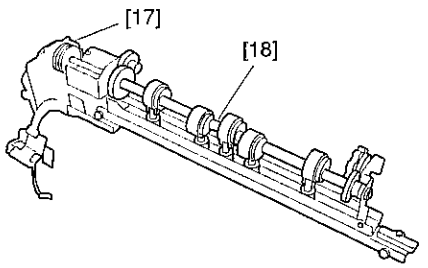
7) Remove the screw [9] and washer [10].
8) Disconnect the connector [11].
9) Remove the two screws [12] to detach the base cover [13].



10)Remove the four screws [14] to remove the upper transmission sensor unit [15] and lower transmission sensor [16].



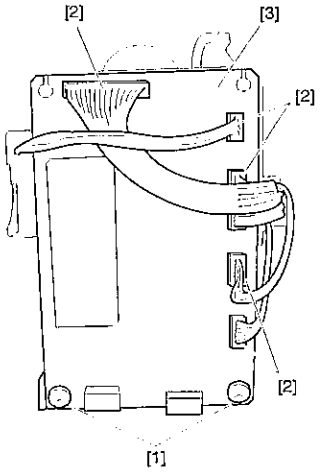
11) Remove the punch unit [18] from the horizontal registration motor assembly [17].



B. PCBs

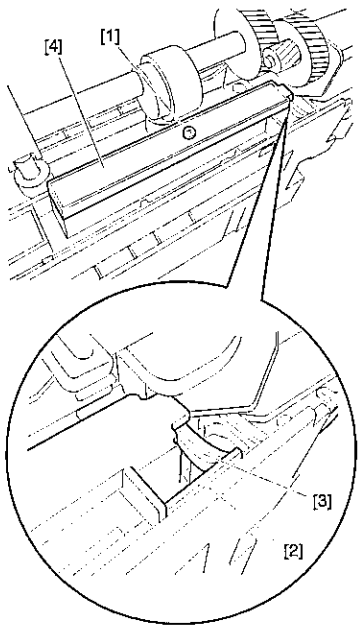
(1)Removing the Punch Controller PCB

1) Remove the two screws [1].
2) Disconnect the five connectors [2] to remove the punch controller PCB [3].

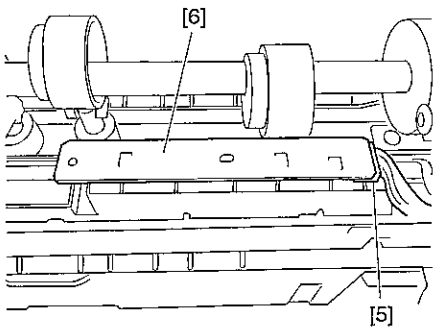


(2)Removing the Photosensor PCB

1) Remove the punch motor. (See 2.A.(1).)
2) Remove the screw [1].
3) Remove the harness [3] from the harness guide [2] on the PCB, then detach the PCB cover [4].

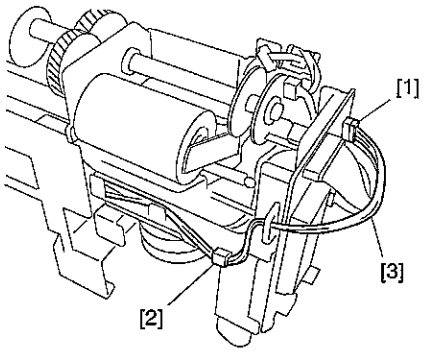


4) Disconnect the connector [5] to remove the photosensor PCB [6].

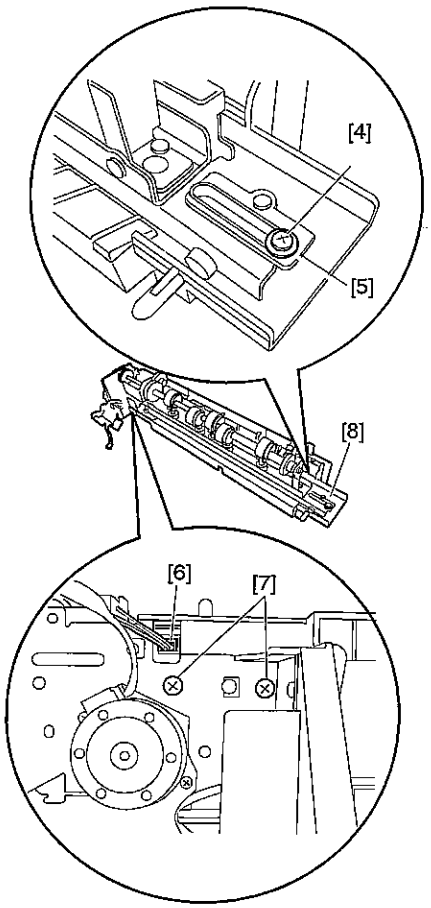


(3)Removing the LED PCB

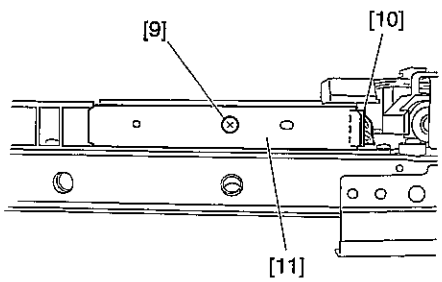
1) Remove the waste case.
2) Disconnect connector [1].
3) Remove the harness [3] from the harness guide [2].



4) Remove the screw [4] and washer [5].
5) Disconnect the connector [6].
6) Remove the screw [7] to detach the base cover [8].

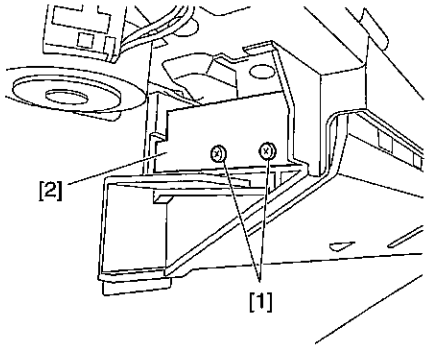


7) Remove the screw [9].
8) Disconnect the connector [10] to remove the LED PCB [11].

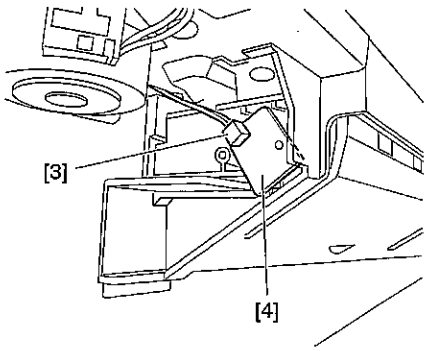


(4)Removing the Waste-Full Photosensor PCB

1) Remove the punch controller PCB. (See 2.B.(1).)
2) Remove the two screws [1] to remove the PCB film [2].

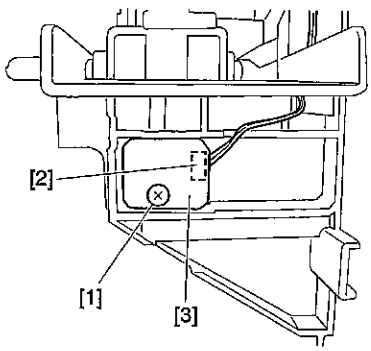


3) Disconnect the connector [3] to remove the waste-full photosens PCB [4].



(5)Removing the Waste Full LED PCB

1) Remove the screw [1].
2) Disconnect the connector [2] to remove the waste-full LED PCB [3]



[6] MAINTENANCE

1. Maintenance System Table

× Check (Clean, replace, or adjust as necessary.)　○ Clean　▲ Replace　△ Adjust　☆ Lubricate　□ Move position

A. AR series

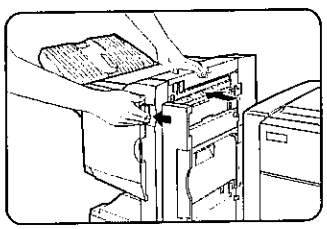
Unit name	Part name	When calling	50K	100K	150K	200K	250K	300K	350K	400K	Remark
Transport section	Transport rollers	○		○		○		○		○	
	Transport paper guides	○		○		○		○		○	
Drive section	Gears	☆		☆		☆		☆		☆	(Specified position)
	Belts	×						×			
Other	Sensors	×		×		×		×		×	
	Discharge brush	×		×		×		×		×	
Staple un											Replace UN at 100K staple.
Staple cartridge											User replacement for every 5000pcs.

B. DM series

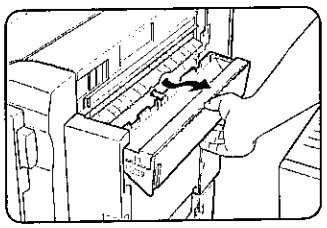
Unit name	Part name	When calling	50K	100K	150K	200K	250K	300K	350K	400K	Remark
Transport section	Transport rollers	○									
	Transport paper guides	○									
Drive section	Gears	☆									(Specified position)
	Belts	×									
Other	Sensors	×									
	Discharge brush	×									
Staple un											Replace UN at 100K staple.
Staple cartridge											User replacement for every 3000pcs.

2. Punch dust process (with the punch unit installed)

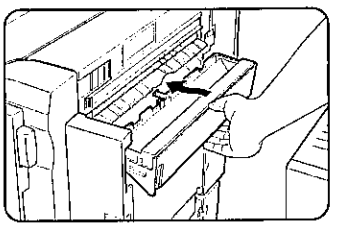
1) Pull the grip of the saddle finisher and move it to allow a space between the machine and the saddle finisher.



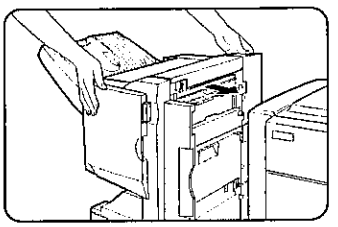
2) Slow pull down the punch dust box and remove punch dust. Use a polyethylene bag, etc. not to disperse punch dust.



3) Replace the punch dust box to the original position.



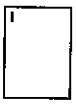
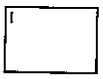
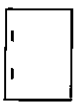
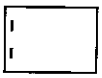
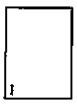
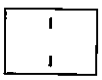
4) Move the saddle finisher back to the machine.



[7] MACHINE OPERATION

1. Staple sort mode

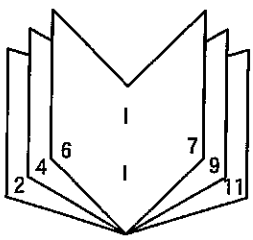
Collated sets of printouts are stapled and delivered to the offset tray (upper tray). Alternatively, printed paper is stapled at the center and delivered the saddle stitch tray (lower tray). The relation among stapling positions, orientation, paper size for stapling, and stapling capacity is shown below.

Stapling positions	Portrait orientation		Landscape orientation	
Rear corner of printouts		Available paper sizes: 8-1/2" x 11", A4 and B5 Stapling capacity: Up to 50 sheets for any sizes		Available paper sizes: 11" x 17", 8-1/2" x 14", 8-1/2" x 13", 8-1/2" x 11" R, A3, B4, A4R, and B5R Stapling capacity: Up to 50 sheets for 8-1/2" x 11"R, A4R and B5R, and up to 25 sheets for other sizes
Center left two positions of printouts		Same as above		Same as above
Front corner of printouts		Same as above		Same as above
Saddle stitch	—	Saddle stitch stapling cannot be performed in the portrait orientation.		Available paper sizes: 11" x 17", 8-1/2" x 11"R, A3, B4, and A4R Stapling capacity: Up to 10 sheets for any sizes

A. Saddle stitch function

Printed paper is stapled at two positions at the center and is folded in two with the center down before delivery.

<Example>

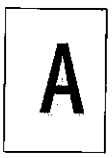


B. Punch function (only if a punch module is installe

If the saddle stitch finisher is equipped with a punch module, printe paper can be punched (two holes) and delivered to the offset tray. Th saddle stitch function and the punch function cannot be used together.

<Example>

{Original 1} {Punch positions}



{Original 2} {Punch positions}

2. Setup by the printer driver

A. Setup procedures when the staple function is used

1) Select "PROPERTY" in the setup menu of the printer driver.
2) Click the "MAIN" tab.
3) In the "FINISH" item, select "Stapling position" and "Staple."

B. Setup procedures when the saddle stitch function is used

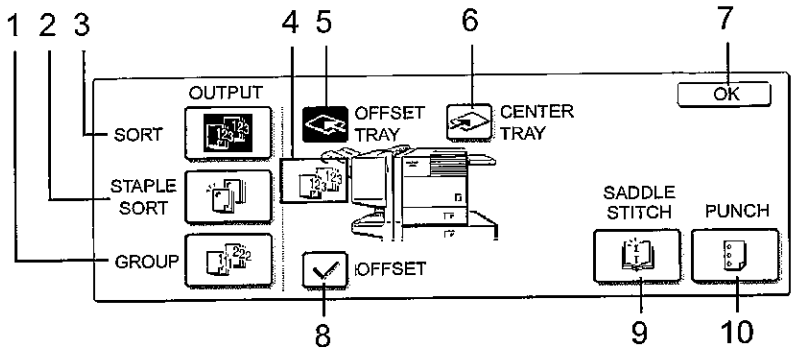
1) Select "PROPERTY" in the setup menu of the printer driver.
2) Click the "MAIN" tab.
3) In the "DUPLEX PRINT" items, put a check mark to the radio button of "Center binding."
4) Select between the normal-ratio center binding and 2-UP center binding.
5) In the "FINISH" item, select "2-position binding" of "STAPLE."

C. Setup procedures when the punch function is used

1) Select "PROPERTY" in the setup menu of the printer driver.
2) Click the "MAIN" tab.
3) In the "FINISH" items, put a check mark to the check box of "PUNCH."

3. Using the finisher functions in the copy mode

If you touch the [OUTPUT] key on the copy mode basic screen, a screen for selecting the sort/group/staple functions and selecting an exit tray will appear.



1. [GROUP] key

If this function is selected, all copies of the same original will be grouped.

2. [STAPLE SORT] key

If this function is selected, sorted copies will be stapled and delivered to the offset tray. (not offset stacked)

3. [SORT] key

If this function is selected, each set of copies will be sequentially delivered.

4. Icon display

The icon of the selected function (sort, staple sort, group or saddle stitch) is displayed.

5. [OFFSET TRAY] key

If the offset tray is selected, printed sheets will be delivered to the offset tray. (If the staple sort function is selected, the offset tray will be automatically selected.)

6. [CENTER TRAY] key

If the center tray is selected, printed paper will be delivered to the exit tray located at the upper part of the main unit.

7. [OK] key

Press to close this screen and to return to the basic screen.

8. [OFFSET] key

If this function is selected (checked), the offset function will be enabled. If the check mark is cleared, the offset function will be disabled. (If the staple sort function is selected, the check mark of the offset function will be automatically cleared.)

9. [SADDLE STITCH] key

Printed paper will be stapled at the center and folded in two with the center down. If this function is selected, the pamphlet copy function (see page xx of the copier operation manual) will be automatically set.

10. [PUNCH] key

If a punch module is installed, printed paper can be punched.

* If a function is selected, the corresponding key will be highlighted.

[8] ADJUSTMENTS

1. Finisher/saddle unit

A. Adjusting the Folding Position

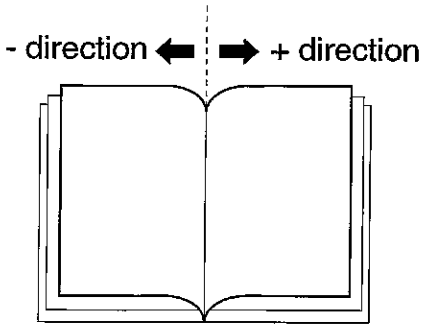
The folding position is adjusted by matching it with the stapling position. If you have replaced the finisher controller PCB, you must transfer the existing settings to the new PCB. Perform the following if the folding position must be adjusted for some reason.

NOTE:Both the folding and stapling positions may deviate for some type of paper. In such a case, change the "middle stapling position" in the user mode of the host machine.

1) Set SW1 on the finisher controller PCB as follows:

2) Adjust the folding position by pressing the PSW1 or PSW2 on the finisher controller PCB a required number of times. Pressing the switch once moves the folding position about 0.16 mm.

•To move the folding position in the "-" direction, press the PSW1.
•To move the folding position in the "+" direction, press the PSW2.
•Pressing the PSW1 and PSW2 at the same time clears the adjustment value.



3) When adjustment of the folding position is complete, set all bits of the SW1 on the finisher controller PCB to OFF.

4) Enter the bind mode of the host machine and check whether the folding position is adjusted properly. If adjusted improperly, adjust the folding position again.

B. Adjusting the Middle 2-Point Stapling Position

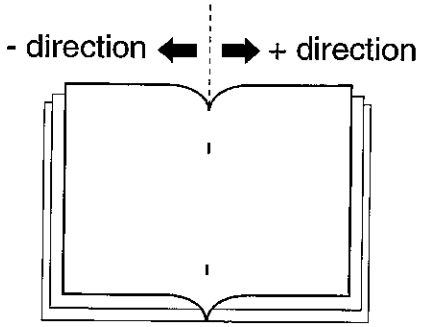
The stapling position is adjusted by matching it with the folding position. If you have replaced the finisher controller PCB, you must transfer the existing settings to the new PCB. Perform the following if the stapling position must be adjusted for some reason.

NOTE:Both the folding and stapling positions may deviate for some type of paper. In such a case, change the "middle stapling position" in the user mode of the host machine.

1) Set SW1 on the finisher controller PCB as follows:

2) Adjust the stapling position by pressing the PSW1 or PSW2 on finisher controller PCB a required number of times. Pressing switch once moves the stapling position about 0.14 mm.

•To move the stapling position in the "-" direction, press the PSW1.
•To move the stapling position in the "+" direction, press the PSW2.
•Pressing the PSW1 and PSW2 at the same time clears the adjustm value.



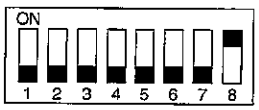
3) When adjustment of the stapling position is complete, set all bits the SW1 on the finisher controller PCB to OFF.

4) Enter the bind mode of the host machine and check whether t stapling position is adjusted properly. If adjusted improperly, adj the stapling position again.

C. One-page exit mode

This mode is used to increase the accuracy of paper alignment in t simple load offset mode by discharging paper one by one to the offs tray.

1) Set the SW1 of the finisher control PWB as shown below.



2) Turn on the power.

2. Punch unit (option)

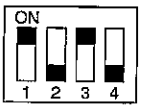
A. Adjusting the Punch Hole Position

This mode requires operation in service mode. The range of ho displacement is between 3 and -3 in 1-mm increments. A higher settin will move the hole toward the leading edge of sheet.
(See the Service Manual of the host machine.)

B. Adjusting the Sensor Output

Perform the following when the punch controller PCB, horizont registration sensor (photosensor PCB/LED PCB), or waste full sens (waste full photosensor PCB/waste full LED PCB) has been replaced.

1) Shift bits 1 through 4 on the DIPSW1001 on the punch controll PCB as follows:



2) Press SW1002 or SW1003 on the punch controller PCB. A press wi automatically adjust the sensor output.

•The adjustment is over when all LEDs on the punch controller PCB ar ON: LED1001, LED1002, LED1003.

3) Shift all bits of DIPSW1001 to OFF.

C. Registering the Number of Punch Hole

Perform the following to store (register) the type of punch unit (number of holes) in the IC on the punch controller PCB for identification by the finisher. Be sure to register the type whenever you have replaced the punch controller PCB.

1) Set bits 1 through 4 on the DIPSW1001 on the punch controller PCB as follows:

2) Press SW1002 on the punch controller PCB to select the appropriate number of punch holes.

•Each press on SW1002 moves the selection through the following (repeatedly from top to bottom).

Number of punch holes	LED1001	LED1002	LED1003
2 holes (Puncher Unit-J1)	ON	OFF	OFF
2/3 holes (Puncher Unit-K1)	ON	ON	OFF
4 holes (Puncher Unit-G1)	OFF	OFF	OFF
4 holes (Puncher Unit-H1)	OFF	OFF	ON

3) Press SW1003 on the punch controller PCB twice. The presses will store the selected number of punch holes on the punch controller PCB.

•A single press on SW1003 will cause the LED indication to flash; another press on SW1003 will cause the indication to remain ON to indicate the end of registration.

4) Shift all bits of DIPSW1001 to OFF.

D. After Replacing the EEP-ROM (IC1001)

1) Turn off the host machine.

2) Set bits 1 through 4 on the DIPSW1001 on the punch controller PCB as follows:

3) Press SW1002 and SW1003 on the punch controller PCB at the same time.

•The presses will initialize the EEP-ROM. At the end, all LEDs (LED1001, LED1002, LED1003) will go ON.

4) Adjust the sensor output, and store the number of punch holes.

E. Setup by the diag simulation of the printer

(1) When installed to the printer model (AR-C260M, DM-C260P)

1) Select "CONSOL FIN. SET X" in the diag mode.

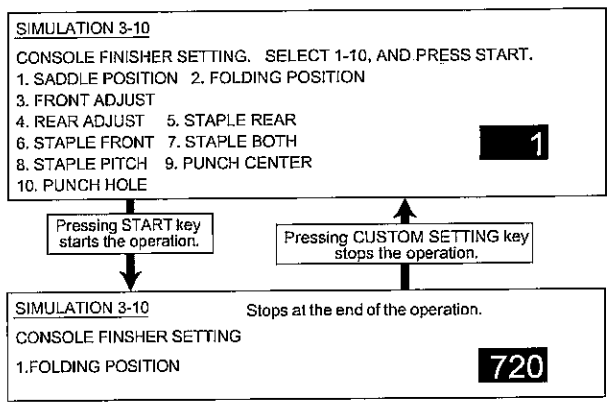
```
CONSOL FIN. SET X
```

2) Select the setup value to be changed with [△] [▽] keys.
The adjustable setup values are shown in the table below.

X:	Adjustment content	Default value	Setup range	Change/Setup value 1
A	Saddle binding position adjustment		0 - 400	0.0707mm
B	Saddle folding position adjustment		0 - 400	0.0525mm
C	Front alignment position adjustment		0 - 20	0.367mm
D	Rear alignment position adjustment		0 - 20	0.367mm
E	Staple front one-position binding position adjustment		0 - 200	0.04374mm
F	Staple rear one-position binding position adjustment		0 - 200	0.04374mm
G	Staple 2-position binding center adjustment		0 - 200	0.04374mm
H	Staple 2-position binding pitch		0 - 99	0.04374mm
I	Punch center position adjustment (FR direction)		0 - 99	
J	Punch hole position adjustment		0 - 99	0.105mm

(2)When installed to the multi-function model

1) Select "CONSOLE FINISHER SETTING" in SIM 3-10.


SIMULATION 3-10
CONSOLE FINISHER SETTING. SELECT 1-10, AND PRESS START.
1. SADDLE POSITION 2. FOLDING POSITION
3. FRONT ADJUST
4. REAR ADJUST 5. STAPLE REAR
6. STAPLE FRONT 7. STAPLE BOTH
8. STAPLE PITCH 9. PUNCH CENTER
10. PUNCH HOLE
1
Pressing START key starts the operation.
Pressing CUSTOM SETTING key stops the operation.
SIMULATION 3-10
Stops at the end of the operation.
CONSOLE FINSHER SETTING
1.FOLDING POSITION
720

2) Select a setup item and change the setup value.
The adjustable setup values are shown in the table below.

	Adjustment content	Default value	Setup range	Change/Setup value 1
1	Saddle binding position adjustment	200	0 - 400	0.0707mm
2	Saddle folding position adjustment	200	0 - 400	0.0525mm
3	Front alignment position adjustment	10	0 - 20	0.367mm
4	Rear alignment position adjustment	10	0 - 20	0.367mm
5	Staple front one-position binding position adjustment	100	0 - 200	0.04374mm
6	Staple rear one-position binding position adjustment	100	0 - 200	0.04374mm
7	Staple 2-position binding center adjustment	100	0 - 200	0.04374mm
8	Staple 2-position binding pitch adjustment	50	0 - 99	0.04374mm
9	Punch center position adjustment (FR direction)	50	0 - 99	
10	Punch hole position adjustment (paper feed direction)	50	0 - 99	0.105mm

[9] TROUBLESHOOTING

1. Outline

The CPU on the machine's finisher controller PCB is equipped with a mechanism to check the machine condition as needed; when it detects a fault, the machine communicates the fact to the host machine in the form of a code and a detail code.
The host machine indicates the code on its control panel.
(The detail code may be checked in the host machine's service mode.)

2. Trouble code

F1	03	Content	Console finisher (AR-F13) paddle motor trouble
		Detail	Paddle motor operation abnormality
		Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PWB trouble
		Check and remedy	Use DIAG (SIM3-3) to check the motor operation.
	06	Content	Console finisher (AR-F13) slide motor trouble
		Detail	Slide motor operation abnormality
		Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PWB trouble
		Check and remedy	Use DIAG (SIM3-3) to check the motor operation.
	10	Content	Console finisher (AR-F13) stapler motor trouble
		Detail	Stapler motor operation abnormality
		Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PWB trouble
		Check and remedy	Use DIAG (SIM3-3) to check the motor operation.
	11	Content	Console finisher (AR-F13) bundle exit motor trouble
		Detail	Bundle exit motor operation abnormality
		Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PWB trouble
		Check and remedy	Use DIAG (SIM3-3) to check the motor operation.
	15	Content	Console finisher (AR-F13) lift motor trouble
		Detail	Lift motor operation abnormality
		Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PWB trouble
		Check and remedy	Use DIAG (SIM3-3) to check the motor operation.
	19	Content	Console finisher (AR-F13) front alignment motor trouble
		Detail	Front alignment motor operation abnormality
		Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PWB trouble
		Check and remedy	Use DIAG (SIM3-3) to check the motor operation.
F1	20	Content	Console finisher (AR-F13) rear alignment motor trouble
		Detail	Rear alignment motor operation abnormali
		Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PWB trouble
		Check and remedy	Use DIAG (SIM3-3) to check the motor operation.
	30	Content	Console finisher (AR-F13) communication trouble
		Detail	Communication cable test error after turnir on the power or exiting from DIAG. Communication error with the console finisher
		Cause	Improper connection or disconnection of connector and harness between the machir and the console finisher. Console finisher control PWB trouble Control PWB (PCU) trouble Malfunction by noises
		Check and remedy	Canceled by turning OFF/ON the power. Check connectors and harness in the communication line. Replace the console finisher control PWB c PCU PWB.
	31	Content	Console finisher (AR-F13) fold sensor trouble
		Detail	Sensor input value abnormality
		Cause	Sensor breakage harness breakage Console finisher control PWB trouble
		Check and remedy	Use DIAG (SIM3-2) to check the sensor operation.
	32	Content	Communication trouble between the consol finisher (AR-F13) and the punch unit (AR-PN1).
		Detail	Communication err between the console finisher and the punch unit.
		Cause	Improper connection or disconnection of connector and harness between the consol finisher and the punch unit. Console finisher control PWB trouble Control PWB (PCU) trouble Malfunction by noise
		Check and remedy	Canceled by turning OFF/ON the power. Check connectors and harness in the communication line. Replace the console finisher control PWB.
	33	Content	Console finisher (AR-F13) punch (AR-PN1) side registration motor trouble
		Detail	Punch side registration motor operation abnormality
		Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PWB trouble
		Check and remedy	Use DIAG (SIM3-3) to check the motor operation.

F1	34	Content	Console finisher (AR-F13) punch (AR-PN1) motor trouble
		Detail	Punch motor operation abnormality
		Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PWB trouble
		Check and remedy	Use DIAG (SIM3-3) to check the motor operation.
	35	Content	Console finisher (AR-F13) punch (AR-PN1) side registration sensor trouble
		Detail	Sensor input value abnormality
		Cause	Sensor breakage Harness disconnection Console finisher control PWB trouble
		Check and remedy	Use DIAG (SIM3-2) to check the sensor operation.
	36	Content	Console finisher (AR-F13) punch (AR-PN1) timing sensor trouble
		Detail	Sensor input value abnormality
		Cause	Sensor breakage Harness disconnection Console finisher control PWB trouble
		Check and remedy	Use DIAG (SIM3-2) to check the sensor operation.

F1	37	Content	Console finisher (AR-F13) backup RAM trouble
		Detail	Backup RAM contents are disturbed.
		Cause	Console finisher control PWB trouble Malfunction by noise
		Check and remedy	Replace the console finisher control PWB.
	38	Content	Console finisher (AR-F13) punch (AR-PN1) backup RAM trouble
		Detail	Punch unit backup RAM contents are disturbed.
		Cause	Punch control PWB trouble Malfunction by noise
		Check and remedy	Replace the punch control PWB.
	81	Content	Console finisher transport motor abnormality
		Detail	Transport motor trouble
		Cause	Motor lock Motor rpm abnormality Overcurrent to the motor Console finisher control PWB trouble
		Check and remedy	Use DIAG (SIM3-3) to check the motor operation.

3. Troubleshooting

A. Finisher/saddle unit

(1) F1-03, Paddle Motor Fault (detail code: 01/02/03/04)

Cause/Trouble section	Procedure	Check	Result	Remedy
Paddle home position sensor (PHPS)	1	Check the paddle home position sensor. Is the sensor normal?	NO	Replace the sensor
Swing guide home position sensor (ARHPS)	2	Check the swing guide home position sensor. Is the sensor normal?	NO	Replace the sensor.
Wiring	3	Is the wiring between the finisher controller PCB and the paddle motor normal?	NO	Correct the wiring.
Paddle, Swing guide assembly	4	Try turning the paddle motor clockwise and counterclockwise by hands. Is there mechanical tapping in the rotation of the paddle or the up/down movement of the swing guide?	YES	Correct the mechanical mechanism.
Paddle motor (FPM), finisher controller PCB	5	Try replacing the paddle motor. Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

(2) F1-10, Staple/fold Motor Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Stapler home position sensor (STHPS)	1	Check the stapler home position sensor. Is the sensor normal?	NO	Replace the sensor.
Wiring	1	Is the wiring between the finisher controller PCB and the staple/fold motor normal?	NO	Correct the wiring.
Stapler unit	2	Try turning the staple jam releasing dial. Is there mechanical trapping?	YES	Correct the mechanical system.
Staple/fold motor (FFSM), Finisher controller PCB	3	Try replacing the staple/fold motor. Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

(3) F1-10, Staple/Fold Motor Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Staple/fold clock sensor (FE)	1	Check the staple/fold clock sensor. Is the sensor normal?	NO	Replace the sensor.
Finisher controller PCB, Stapler unit	2	Does the staple/fold motor operate at the appropriate timing?	YES	Replace the finisher controller PCB.
			NO	Check the stapler ur drive mechanism: if faulty, correct it; if normal, go to step
Staple/fold motor (FFSM), Finisher controller PCB	3	Try replacing the staple/fold motor. Is the problem corrected?	YES	End.
			NO	Try replacing the finisher controller PCB.

(4) F1-10, Staple/Fold Motor Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Folding home position sensor (FHPS)	1	Check the folding home position sensor. Is the sensor normal?	NO	Replace the sensor.
Wiring	2	Is the wiring between the finisher controller PCB and the staple/ fold motor normal?	NO	Correct the wiring.
Saddle unit	3	Try turning the fold jam releasing dial. Is there mechanical trapping?	YES	Correct the mechanical mechanism.
Staple/fold motor (FFSM), Finisher controller PCB	4	Try replacing the staple/fold motor. Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

(5) F1-10, Staple/Fold Motor Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Staple/fold clock sensor (FJHPS)	1	Check the staple/fold clock sensor. Is the sensor normal?	NO	Replace the sensor.
Finisher controller PCB, Saddle unit	2	Does the staple/fold motor operate at the appropriate timing?	YES	Replace the finisher controller PCB.
			NO	Check the saddle uni drive mechanism: if faulty, correct it; otherwise, go to step 3
Staple/fold motor (FFSM), Finisher controller PCB	3	Try replacing the staple/fold motor. Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

(6) F1-10, Slide Motor Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Slide home position sensor (SHPS)	1	Check the slide home position sensor. Is the sensor normal?	NO	Replace the sensor PCB.
Wiring	2	Is the wiring between the finisher controller PCB and the slide motor normal?	NO	Correct the wiring.
Stapler unit	3	Is there mechanical trapping in the stapler path?	YES	Correct the mechanical system.
Slide motor (FSM), Finisher controller PCB	4	Try replacing the slide motor. Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

(7) F1-11, Delivery Motor Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Delivery belt home position sensor (OBHPS)	1	Check the delivery belt home position sensor. Is the sensor normal?	NO	Replace the sensor.
Wiring	2	Is the wiring between the finisher controller PCB and the delivery motor normal?	NO	Correct the wiring.
Stack delivery roller	3	Try turning the stack delivery roller by hand. Is the rotation smooth?	NO	Correct the mechanical system.
Delivery motor (FAM), Finisher controller PCB	4	Try replacing the delivery motor. Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

(8) F1-15, Shift Motor Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Paper surface sensor (SLS)	1	Check the paper surface sensor. Is the sensor normal?	NO	Replace the sensor.
Tray up/down mechanism	2	Check the tray up/down mechanism. Is the mechanism normal?	NO	Correct the mechanism.
Finisher controller PCB	3	Is 24 VDC supplied from the finisher controller PCB to the shift motor as soon as the tray is driven?	NO	Replace the finisher controller PCB.
Shift motor (FLM), Wiring	4	Is the wiring between the finisher controller PCB and the shift motor normal?	YES	Replace the shift motor.
			NO	Correct the wiring.

(9) F1-15, Shift Motor Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Tray position	1	Is the tray as far as the shift upper limit sensor?	YES	Lower the position of the tray.
Shift upper limit sensor (ULS)	2	Check the shift upper limit sensor. Is the sensor normal?	NO	Replace the sensor.
Finisher controller PCB, Wiring	3	Check the wiring from the finisher controller PCB to the shift upper limit sensor; is it normal?	YES	Replace the finisher controller PCB.
			NO	Correct the wiring.

(10) F1-15, Shift Motor Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
-	1	Is the tray in UP position?	YES	Go to step 4).
			NO	Go to step 2).
Finisher controller PCB	2	Is power supplied to the finisher controller PCB as soon as the tray is driven?	YES	Go to step 3).
			NO	Replace the finisher controller PCB.
Tray up/down mechanism, Shift motor (FLM)	3	Is there a fault in the tray up/down mechanism?	YES	Correct the tray up/ down mechanism.
			NO	Replace the shift motor.
Shift motor clock (LE), Finisher controller PCB	4	Check the shift motor clock sensor.	YES	Replace the finisher controller PCB.
			NO	Replace the sensor.

(11) F1-19, Alignment Motor (front) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Aligning plate home position sensor (front; FJHPS)	1	Check the aligning plate home position sensor (front). Is the sensor normal?	NO	Replace the sensor.
Wiring	2	Is the wiring between the finisher controller PCB and the front alignment plate motor (front) normal?	NO	Correct the wiring.
Aligning plate (front)	3	Is there mechanical trapping in the aligning plate path?	YES	Correct the mechanical system.
Alignment motor (front; FFJM), Finisher controller PCB	4	Try replacing the Alignment motor (front). Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

(12) F1-20, Alignment Motor (Rear) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Aligning plate home position sensor (rear; RJHPS)	1	Check the aligning plate home position sensor (rear). Is the sensor normal?	NO	Replace the sensor.
Wiring	2	Is the wiring between the finisher controller PCB and the rear alignment motor (rear) normal?	NO	Correct the wiring.
Aligning plate (rear)	3	Is there mechanical trapping in the path of the aligning plate?	YES	Correct the mechanical mechanism.
Alignment motor (rear; FRJM), Finisher controller PCB	4	Try replacing the alignment motor (rear). Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

(13) F1-30, Communication error

Cause/Trouble section	Procedure	Check	Result	Remedy
Finisher controller PCB, Host machine DC controller PCB	1	Turn off and then on the host machine. Is the problem corrected?	YES	End.
Wiring	2	Is the wiring between the finisher controller PCB and the DC controller PCB of the host machine normal?	NO	Correct the wring.
Finisher controller PCB, Host machine DC controller PCB	3	Try replacing the finisher controller PCB and the host machine DC controller PCB. Is the problem corrected?	YES	End.

(14) F1-37, Finisher Unit Back-Up Memory Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Finisher controller PCB	1	Turn off and then on the host machine. Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

(15) F1-80, Finisher Unit Power Supply Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Finisher controller PCB, Host machine DC controller PCB	1	Turn off and then on the host machine. Is the problem corrected?	YES	End.
Wiring	2	Is the wiring between the finisher controller PCB and the host machine DC controller PCB normal?	NO	Correct the wiring.
Power supply	3	Measure the voltage between CN1-1 (+) and CN1-3 (-)/CN2-1 (+) and CN2-3 (-) on the finisher controller PCB. Is it 24 VDC?	YES	Replace the finisher controller PCB.
			NO	Replace the host machine DC controll PCB.

(16) F1-81, Feed Motor Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Stack feed roller (upper) home position sensor (FRHPS)	1	Check the stack feed roller (upper) home position sensor. Is it normal?	NO	Replace the sensor.
Wiring	2	Is the wiring between the finisher controller PCB and the feed motor normal?	NO	Correct the wiring.
Feed roller	3	Try turning the stack feed roller (upper) shaft by hand. Does the stack feed roller (upper) move up/down normally?	NO	Correct the mechanical system.
Feed motor (FFM), Finisher controller PCB	4	Try replacing the feed motor. Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

B. Puncher unit, option

(1) F1-32, Communication Faulty

Cause/Trouble section	Procedure	Check	Result	Remedy
Finisher controller PCB, Punch controller PCB	1	Turn off and the on the host machine. Is the problem corrected?	YES	End.
Wiring	2	Is the wiring between the finisher controller PCB and the punch controller PCB normal?	NO	Correct the wiring.
Power supply	3	Measure the voltage between CN14-5 (+) and CN14-3 (-) on the finisher controller PCB. Is it 24 VDC?	NO	Replace the finisher controller PCB.
			YES	Replace the punch controller PCB.

(2) F1-33, Horizontal Registration Motor Fault (detail code: 01/02)

Cause/Trouble section	Procedure	Check	Result	Remedy
Horizontal registration home position sensor (PSHPS)	1	Check the horizontal registration home position sensor. Is the sensor normal?	NO	Replace the sensor.
Wiring	2	Is the wiring between the finisher controller PCB and the horizontal registration home position sensor normal?	NO	Correct the wiring.
Horizontal registration mechanism, horizontal registration motor (FPSM)	3	Is there a fault in the horizontal registration mechanism?	YES	Correct the horizontal registration mechanism.
			NO	Replace the horizontal registration motor.
Punch controller PCB, Finisher controller PCB	4	Try replacing the punch controller PCB. Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

(3) F1-34, Punch Motor Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Punch motor home position sensor (XXXX)	1	Check the punch home position sensor. Is the sensor normal?	NO	Replace the sensor.
Punch motor clock sensor (PE)	2	Check the punch motor clock sensor. Is the sensor normal?	NO	Replace the sensor.
Wiring	3	Is the wiring between the finisher controller PCB and the sensor normal?	NO	Correct the wiring.
Punch mechanism, Punch motor (FPNM)	4	Is there a fault in the punch mechanism?	YES	Correct the punch mechanism.
			NO	Replace the punch motor.
Punch controller PCB, Finisher controller PCB	5	Try replacing the punch controller PCB. Is the problem corrected?	YES	End.
			NO	Replace the fisher controller PCB.

(4) F1-35, Punch Sensor (horizontal registration) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Horizontal registration sensor (photosensor PCB/LED PCB)	1	Check the horizontal registration sensor. Is the sensor normal?	NO	Replace the sensor.
Wiring	2	Is the wiring between the punch controller PCB and the horizontal registration sensor normal?	NO	Correct the wiring.
Punch controller PCB, Finisher controller PCB	3	Try replacing the punch controller PCB. Is the problem correct?	YES	End.
			NO	Replace the finisher controller PCB.

(5) F1-38, Puncher Back-UP Memory Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
EEP-ROM (IC1002)	1	Is the problem corrected by initializing the EEP-ROM on the punch controller PCB?	YES	End.
Punch controller PCB	2	Turn off and the on the host machine. Is the problem corrected?	YES	End.
			NO	Replace the punch controller PCB.

(6) F1-39, Punch sensor (waste full) Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Waste full Sensor (waste full photosensor PCB/ waste full LED PCB)	1	Check the waste full sensor. Is the sensor normal?	NO	Replace the sensor.
Wiring	2	Is the wiring between the punch controller PCB and the waste full sensor normal?	NO	Correct the wiring.
Punch controller PCB, Finisher controller PCB	3	Try replacing the punch controller PCB. Is the problem corrected?	YES	End.
			NO	Replace the finisher controller PCB.

(7) F1-40, Puncher Unit Power Supply Fault

Cause/Trouble section	Procedure	Check	Result	Remedy
Finisher controller PCB, Host machine DC controller PCB	1	Turn off and then off the host machine. Is the problem corrected?	YES	End.
Wiring	2	Is the wiring between the finisher controller PCB and the punch controller PCB normal?	NO	Correct the wiring.
Power supply	3	Measure the voltage between CN14-5 (+) and CN4-3 (-) on the finisher controller PCB. Is it 24 VDC?	YES	Replace the punch controller PCB.
			NO	Replace the finisher controller PCB.

[10] SIMULATIONS

1. Finisher/Saddle unit

Error	Condition	Timing of detection	Operation	Resetting
Staple absent	The stapler is not set.	Monitoring at all times	The staple/fold motor (FFSM) and the slide motor (FSM) will stop.	Set the stapler.
Staple absent	The staple cartridge has run out of staples.	Monitoring at all times	Normal operation will continue; however, operation is subject to instructions from the host machine.	Replace the staple cartridge; or, set it correctly.
Mixed sheets	Sheets of different sizes are deposited in the compartment.	When a sheet of a different size is placed.	The sheet will be aligned based on maximum size width and delivered as a stack.	-
Overstacking for stapling	The number of sheets in the compartment has exceeded the limit imposed on stapling.	When an extra sheet is placed.	The sheets will be delivered with stapling.	-
Stack tray overstacking	The number of sheets deposited on the delivery tray has exceeded the limit imposed on the tray (sheets, sets).	When an extra sheet is placed.	Normal operation will continue.	Remove the sheets from the delivery tray
Saddle overstacking	Remove the stack from the bind tray. More than 10 stacks are deposited on the folded stack tray.	When an extra sheet is placed.	Normal operation will continue.	Remove the stack fror the bind tray.

2. Puncher unit (option)

Error	Condition	Timing of detection	Operation	Resetting
Waste case full	The amount of waste paper in the waste case has reached the limit.	During punching.	Normal operation will continue.	Remove the waste paper from the waste case.
Excess water	The amount of waste paper in the waste case has exceeded the limit.	During punching.	Punching will be disabled.	Remove the waste paper from the water case.

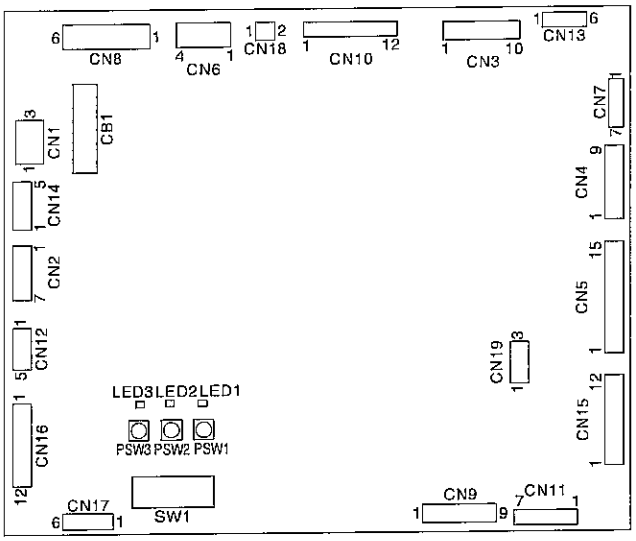
[11] ELECTRICAL SECTION

1. LEDs and Check Pins by PCB

Of the LEDs and check pins used in the machine, those needed during servicing in the field are discussed.

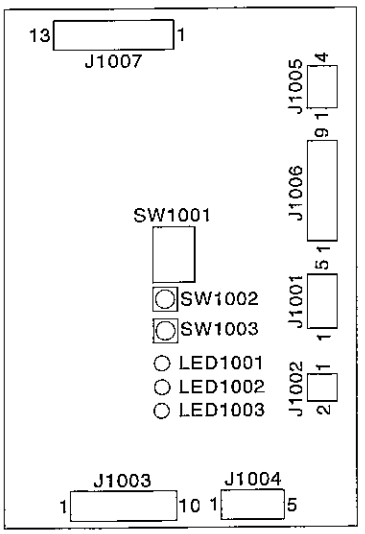
NOTE: Do not touch the check pins not found in the list herein. They are exclusively for factory use, and require special tools and a high degree of accuracy.

A. Finisher Controller PCB



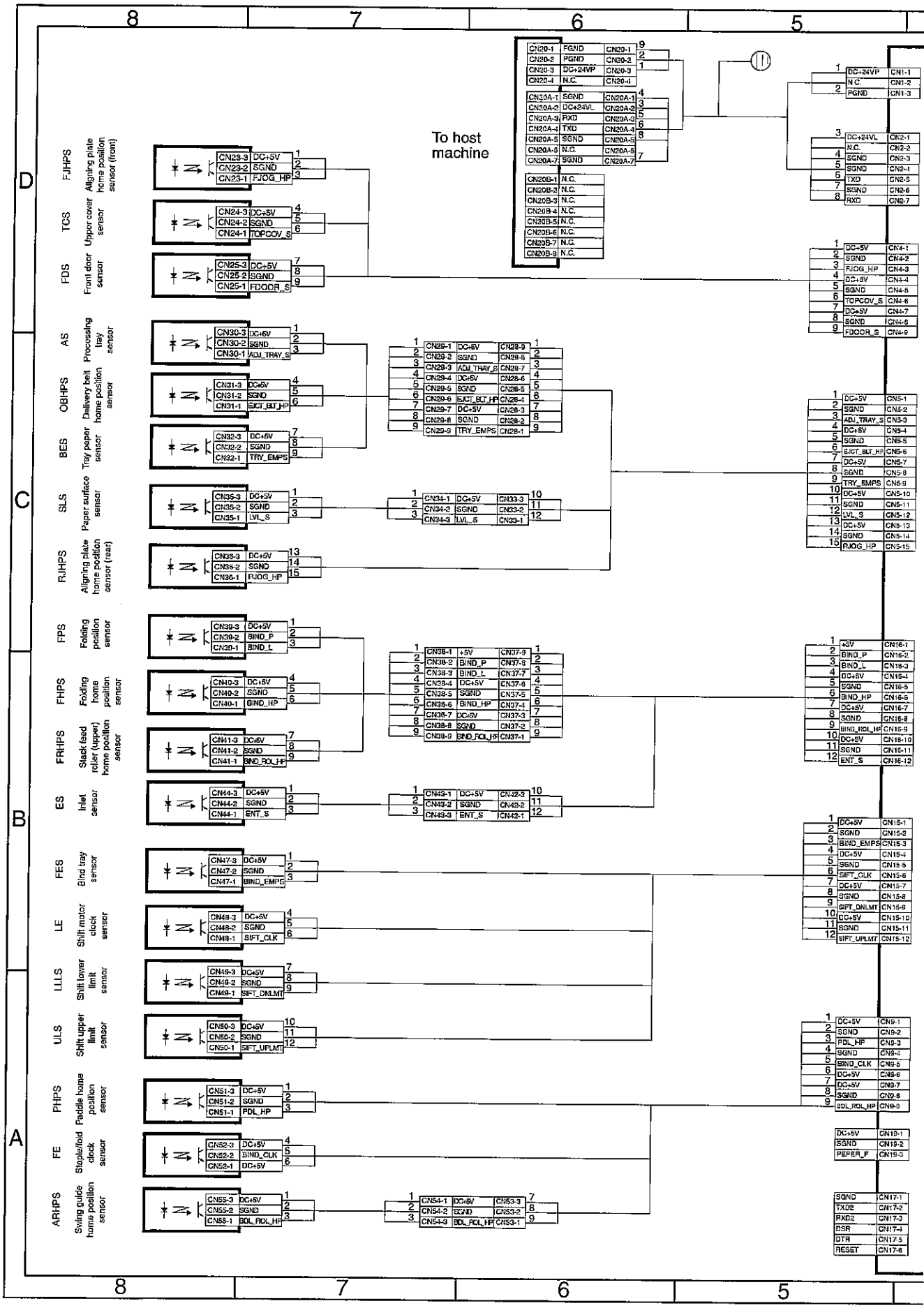
Switch	Description
SW1	Folding position adjustment, middle 2-point stapling adjustment etc.
PSW1	Folding position adjustment, middle 2-point stapling adjustment etc.
PSW2	Folding position adjustment, middle 2-point stapling adjustment etc.
PSW3	Factory mode

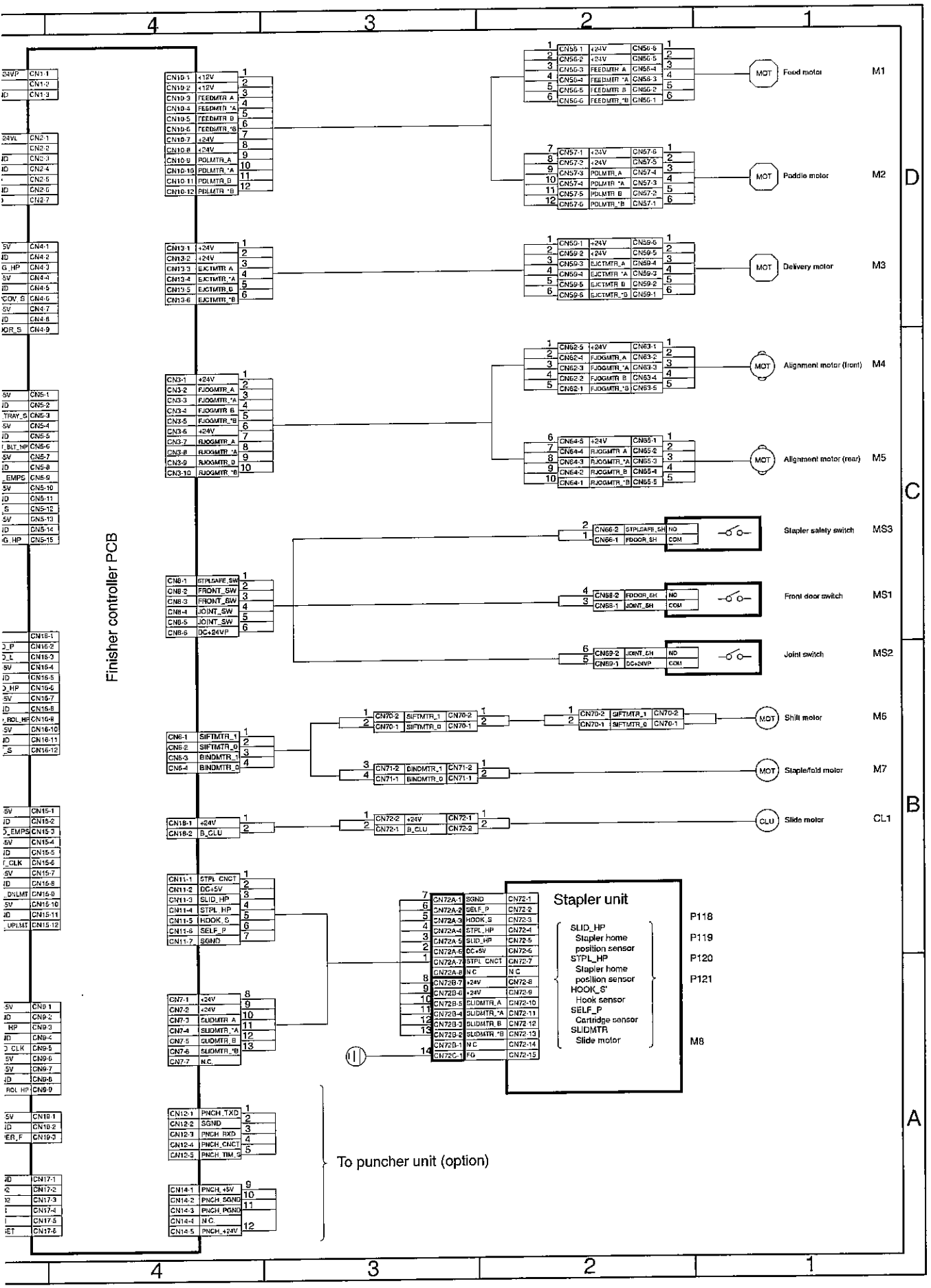
B. Punch Controller PCB



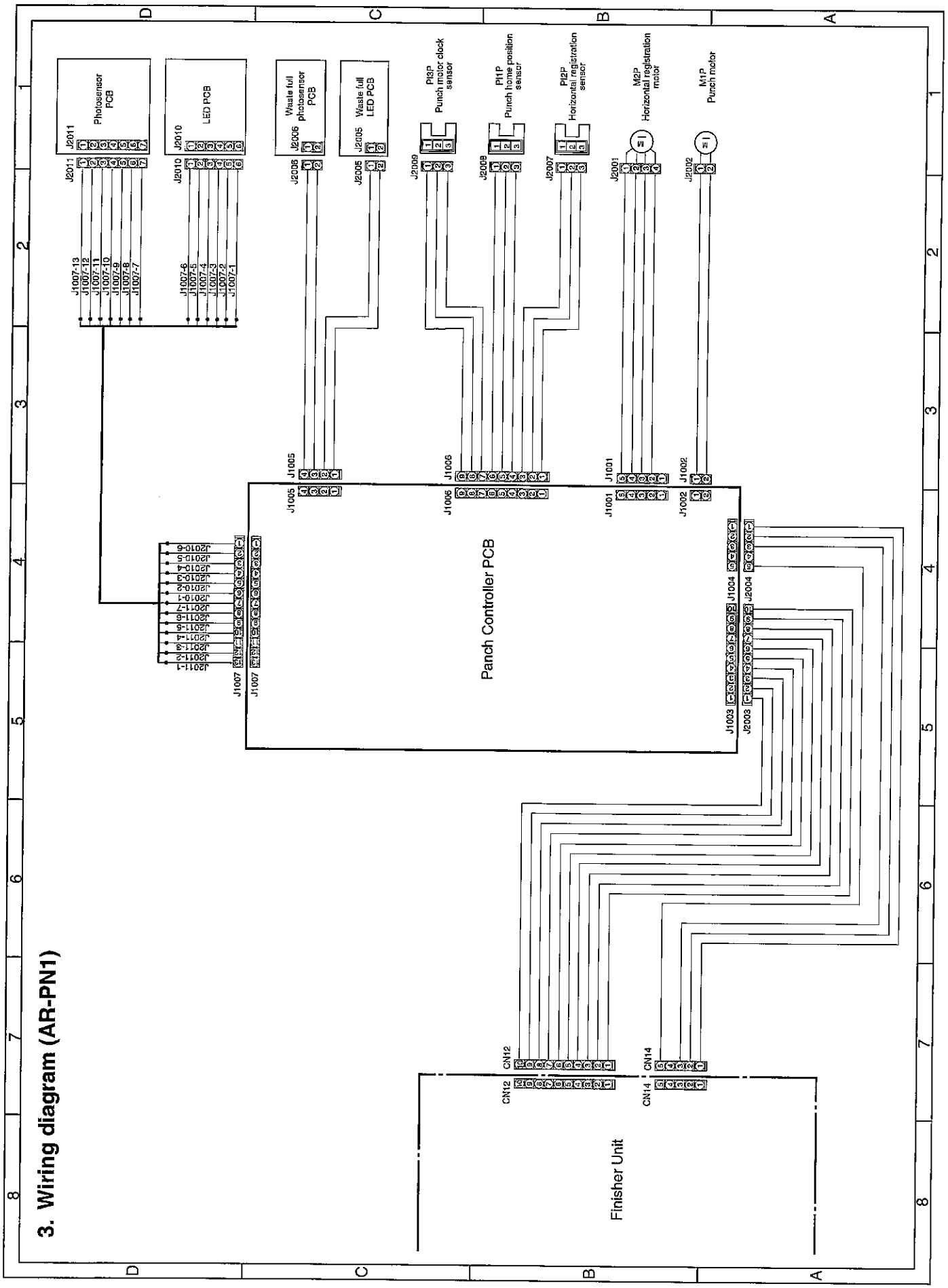
Switch	Description
SW1001	Punch hole count registration/sensor output adjustment etc.
SW1002	Punch hole count registration/sensor output adjustment etc.
SW1003	Punch hole count registration/sensor output adjustment etc.

2. Wiring diagram (AR-F13)




4
3
2
1
D
C
B
A
Finisher controller PCB
Feed motor
M1
Paddle motor
M2
Delivery motor
M3
Alignment motor (front)
M4
Alignment motor (rear)
M5
Stapler safety switch
MS3
Front door switch
MS1
Joint switch
MS2
Shift motor
M6
Staple/fold motor
M7
Slide motor
CL1
Stapler unit
SLID_HP
Stapler home position sensor
STPL_HP
Stapler home position sensor
HOOK_S
Hook sensor
SELF_P
Cartridge sensor
SLIDMTR
Slide motor
P118
P119
P120
P121
M8
To puncher unit (option)

3. Wiring diagram (AR-PN1)



4. Signal list

SIGNAL NAME	NAME	Function/Operation
ARHPS	Bundle roller HP sensor	
AS	Alignment tray sensor	
BES	Tray paper sensor	
DUSTPTR	Punch dust full sensor	Detects punch dust full.
ES	Entry port sensor	
FAM	Bundle exit sensor	
FDS	Front door sensor	
FDSW	Front door switch	
FE	Bookbinding clock sensor	
FES	Bookbinding paper senor	
FFJM	Alignment motor (F)	
FFM	Transport motor	
FFSM	Stapler/Folding motor staple operation/Paper folding operation	
FHPS	Bookbinding HP sensor	
FJHPS	Alignment HP sensor	
FLM	Shift motor	
FPM	Paddle motor oscillation guide drive, discharge to offset tray	
FPNM	Punch motor	
FPS	Bookbinding position sensor	
FPSM	Puncher side registration motor	
FRHPS	Bookbinding roller HP sensor	
FRJM	Alignment motor (R)	
FSM	Slide motor staple unit shift	
JS	Joint switch	
LE	Lift lock sensor	
LEDONx	Paper size sensor	Detects the paper size.
LLLS	Lift lower limit sensor	
OBHPS	Paper exit belt HP sensor	
PE	Punch motor encoder	
PHPS	Paddle HP sensor	
PSHPS	Punch side registration home position	
PUNCH	Punch home position	
RJHPS	Alignment HP sensor R	
SHPS	Slide HP sensor	
SLS	Paper surface sensor	
SPS	Staple sensor	Detects staple empty.
SS	Staple cartridge sensor	Detects installation of a staple cartridge.
SSS	Stapler safety switch	
STHPS	Stapler HP sensor	
TCS	Upper cover sensor	
ULS	Lift upper limit sensor	

Memo

SHARP PARTS GUIDE

サドルフィニッシャー
SADDLE STITCH FINISHER

MODEL AR-F13 AR-PN1

このパーツガイドに掲載されている表示価格ランクは消費税抜きです。

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SHARP CORPORATION

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Aランク ：メンテナンスパーツ、メンテナンスパーツには入っていないがメンテナンスパーツに近い消耗パーツ。
Bランク ：性能・機能パーツ（センサー、クラッチ等の電気パーツ）、消耗パーツ。
Eランク ：基板含むユニットパーツ。
Dランク ：整備パーツ（外装、パッキング、同梱パーツ）。
Cランク ：上記ランク以外のパーツ（基板の子部品を除いたもの）。

DEFINITION

Rank A : Maintenance parts, and consumable parts which are not included in but closely related to maintenance parts
Rank B : Performance/function parts (sensors, clutches, and other electrical parts), consumable parts
Rank E : Unit parts including PWB
Rank D : Preparation parts (External fitting, packing, parts packed together)
Rank C : Parts other than the above (excluding sub components of PWB)

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⚠ 印の商品は、安全上重要な部品です。交換をする時は、安全及び性能維持のため必ず指定の部品をご使用下さい。
Because parts marked with "⚠" is indispensable for the machine safety maintenance and operation, it must be replaced with the parts specific to the product specification.

○ 当モデルのサービス資料には、この資料以外にサービスマニュアル（回路図含む）があります。合わせてご利用下さい。
○ Other than this Parts Guide, please refer to documents Service Manual (including Circuit Diagram) of this model.
○ Please use the 13 digit code described in the right hand corner of front cover of the document, when you place an order.
○ For U.S. only-Use order codes provided in advertising literature. Do not order from parts department.

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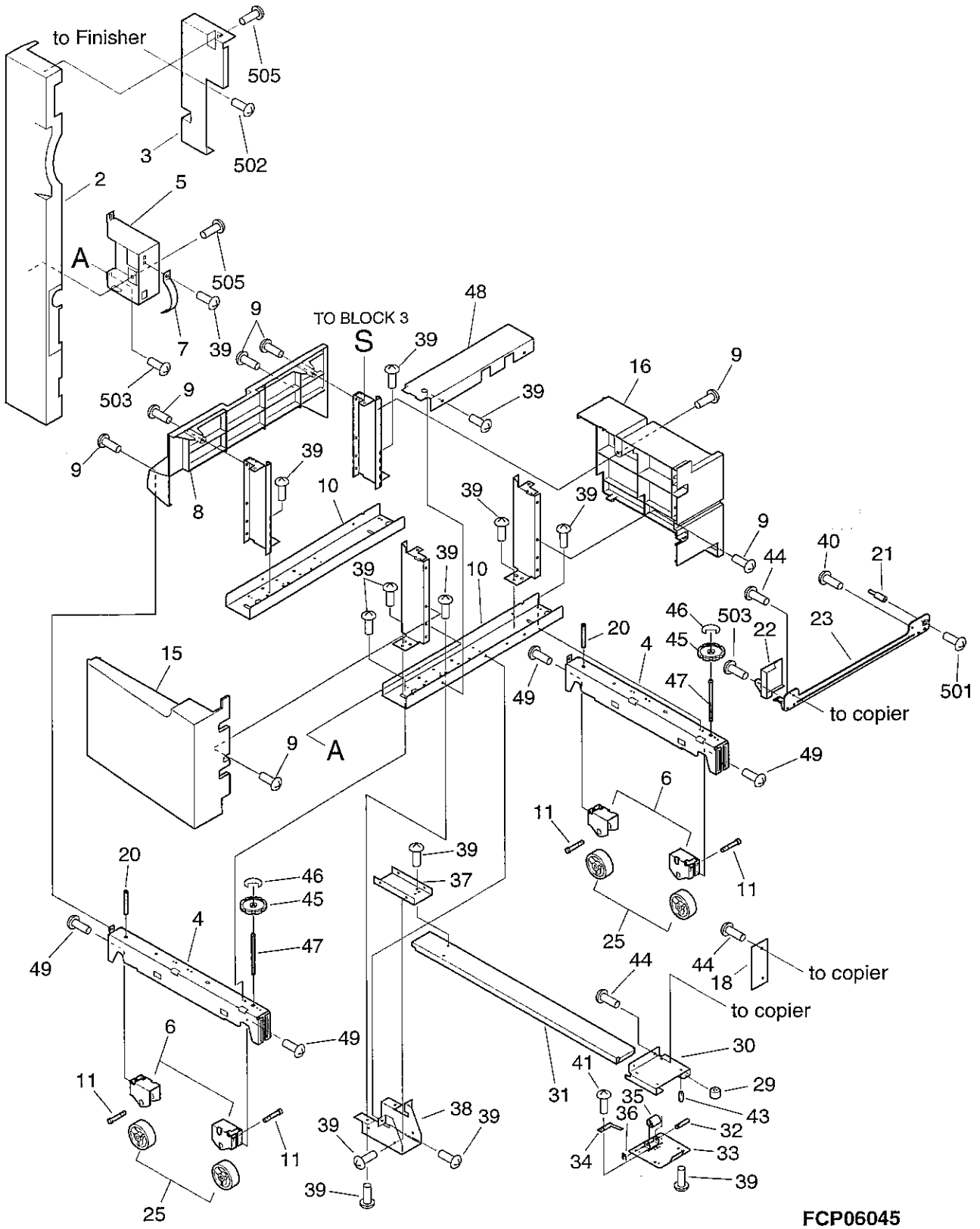
1 取り付けｷｯﾄ (Mounting Hardware)

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
2	0CW4116P221//	BA	FX	N	D	FRONT COVER	前ｶﾊﾞｰ
3	0CW4A18876000	AR	EQ		C	STAY	ｽﾃｰ
4	0CW4116P004//	AY	FQ	N	C	FOOT STAND	架台足
5	0CW4116P041//	AS	EQ	N	C	STAY	ｱｰｽ板ﾊﾞﾈ取り付けﾌﾞﾗｹｯﾄ
6	0CW4A18919000	AN	EG		C	BRACKET CASTER	ｷｬｽﾀｰﾌﾞﾗｹｯﾄ
7	0CW4A18944000	AH	DX		C	PLATE EARTH	ｱｰｽ板
8	0CW4116P202A1	BB	GD	N	D	MIDDLE CABINET	中ｷｬﾋﾞﾈｯﾄ
9	0CWXB12400607	AB	DJ		C	SCREW(M4x6)	ﾋﾞｽ
10	0CW4116P007B1	AR	EQ	N	C	BRACKET CONNECT	架台中継板金
11	0CW4A18920000	AH	DX		D	BRACKET PIN	ﾌﾞﾗｹｯﾄﾋﾟﾝ
15	0CW4116P200A1	BA	FX	N	D	FRONT COVER	前ｶﾊﾞｰ
16	0CW4116P201B1	BA	FX	N	D	REAR COVER	後ｶﾊﾞｰ
18	0CW4116P044//	AL	EB	N	D	PLATE EARTH	ｱｰｽ板
20	0CW4116P410//	AF	DS	N	C	SCREW AJUST(M8x36)	調整ﾋﾞｽ(トレイ側)
21	0CW4116P104//	AN	EG	N	D	LATCH PIN	ﾗｯﾁﾋﾟﾝ
22	0CW4116P223//	AH	DX	N	C	PAWL LATCH	ﾗｯﾁ爪(ﾏｴ)
23	0CW4116P699//	BC	GJ	N	C	PLATE LATCH	ﾗｯﾁ受け板
25	0CW4A18921000	AH	DX		C	CASTER	ｷｬｽﾀｰ
29	0CWFS26593000	AD	DJ		C	ROLLER GUIDE	ｶﾞｲﾄﾞｺﾛ
30	0CW4116P047//	AS	EQ	N	C	BRACKET HOLD	ﾚｰﾙ取り付け板金(本体側)
31	0CW4116P046//	AZ	FX	N	D	PLATE GUIDE RAIL	ﾚｰﾙ
32	0CW4A18938000	AH	DX		C	SHAFT ROLLER	ｺﾛ軸
33	0CW4A18937000	AN	EQ		C	PLATE ROLLER	ｺﾛ支板
34	0CW4A18910000	AH	DX		C	SPRING EARTH	ｱｰｽ板ﾊﾞﾈ
35	0CW4A18939000	AF	DS		C	ROLLER	ｺﾛ
36	0CWFC30661000	AC	DJ		C	CLIP	ｸﾘｯﾌﾟ
37	0CW4A18923000	AM	EG		C	BRACKET	ﾌﾞﾗｹｯﾄ
38	0CW4116P010//	AS	EZ	N	C	BRACKET	ﾚｰﾙ取り付けﾌﾞﾗｹｯﾄ
39	0CWFC22120000	AC	DJ		C	SCREW(M4x7)	ﾋﾞｽ
40	0CW4A18913000	AD	DJ		C	SCREW(M4x18)	菊座付きﾈｼﾞ
41	0CWFC30779000	AC	DJ		C	SCREW(M3x6)	ﾋﾞｽ
43	0CW4A18935000	AF	DS		C	SHAFT ROLLER	ｺﾛ軸
44	0CW4A12609000	AC	DJ		C	SCREW(M4x18)	ﾋﾞｽ
45	0CW4116P239//	AF	DS	N	C	ADJUSTMENT HANDLE	調整ﾊﾝﾄﾞﾙ
46	0CWXD21100402	AC	DJ		C	E-RING	Eﾘﾝｸﾞ
47	0CW4116P400//	AQ	EQ	N	C	SCREW(M6)	調整ﾋﾞｽ(本体側)
48	0CW4116P021//	AN	EG	N	C	BRACKET COVER	架台板金ｶﾊﾞｰ
49	0CW040080FZWS	AA	DD		C	SCREW(M3x8)	ﾋﾞｽ
501	0CWXB47401007	AB	DJ		C	SCREW(M4x10)	ﾋﾞｽ
502	0CWXB12401006	AB	DJ		C	SCREW(M4x10)	ﾋﾞｽ
503	0CWXB12400606	AB	DJ		C	SCREW(M4x6)	ﾋﾞｽ
505	0CWXB47401006	AB	DJ		C	SCREW(M4x10)	ﾋﾞｽ

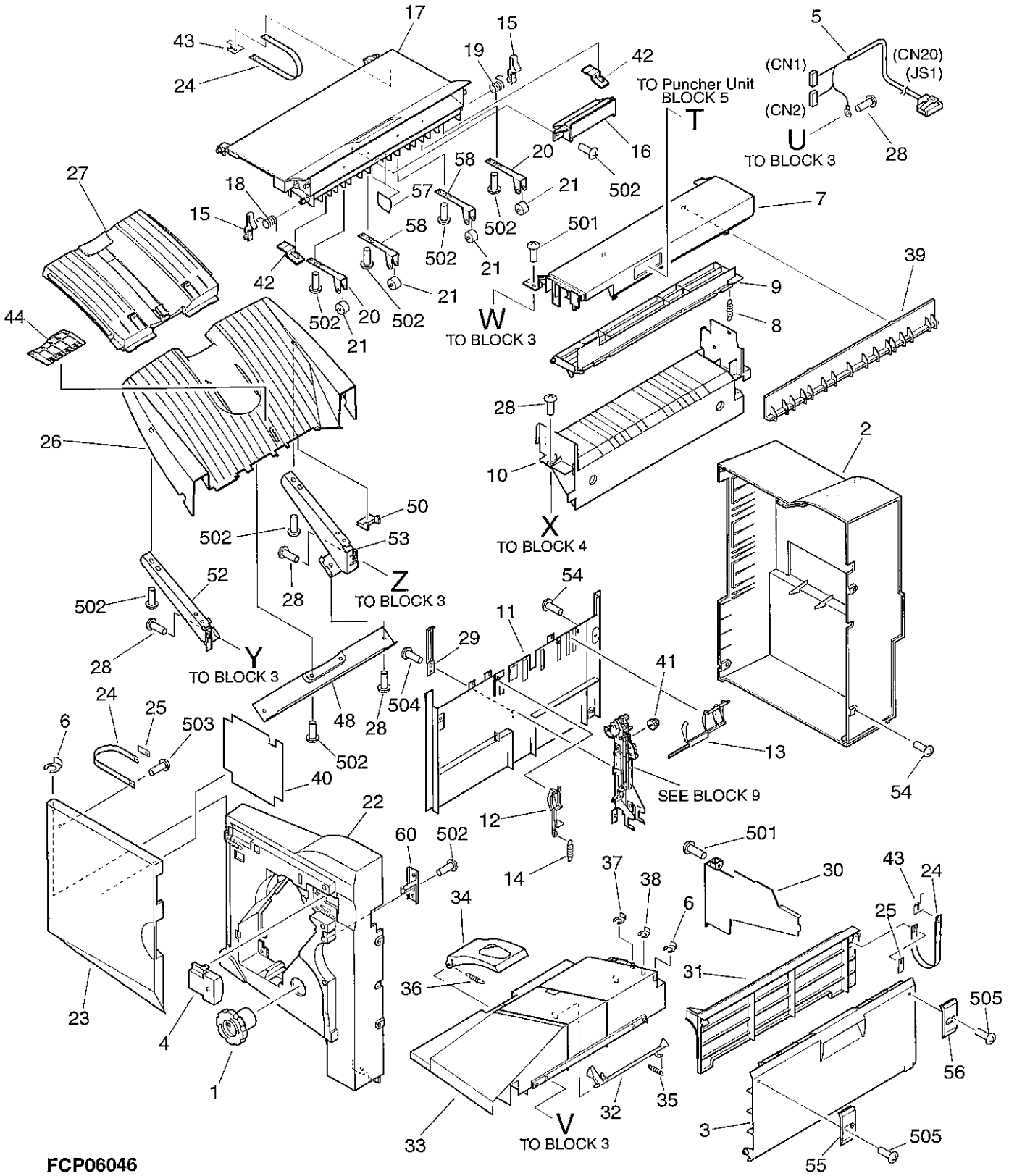
1 取り付けキット (Mounting Hardware)



2 外装カバー (Exterial Covers,Panels etc.)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4A18857000	AG	DX		C	KNOB JAM CLEANING	ｼﾞｬﾑｼｮﾘﾉﾌﾞ
2	0CW4A18858000	BH	HC		D	PANEL REAR	ｳｼﾛｶﾊﾞｰ
3	0CW4A17520000	AX	FG		D	PANEL FRAME JAM	ﾌﾚｰﾑｼﾞｬﾑｶﾊﾞｰ
4	0CW4A18860000	AH	DX		D	COVER JAM	ｼﾞｬﾑｶﾊﾞｰ
5	0CW4H16552000	AQ	EQ		C	CABLE INTERFACE	ｲﾝﾀｰﾌｪｲｽｹﾞﾊﾞｾﾝ
6	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
7	0CW4A18870000	AY	FQ		D	PANEL DUMMY PUNCHER	ﾀﾞﾐｰﾊﾟﾝﾁｬｶﾊﾞｰ
8	0CW4A17380000	AD	DJ		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
9	0CW4A17535000	AS	EZ		C	GUIDE DUMMY PUNCH UPPER	ﾀﾞﾐｰﾊﾟﾝﾁｶﾞｲﾄﾞ ｳｴ
10	0CW4A17689000	AC	DJ		C	GUIDE DUMMY PUNCH	ﾀﾞﾐｰﾊﾟﾝﾁｶﾞｲﾄﾞ
11	0CW4A18897000	AY	FQ		D	PANEL SIDE	ﾖｺｶﾊﾞｰ
12	0CW4A17291000	AE	DS		C	LEVER TRAY UP/DOWN EMPTY	ﾄﾚｲｼｮｳｺｳｴﾝﾌﾟﾃｨﾚﾊﾞｰ
13	0CW4B10780000	AF	DS		C	FLAG PAPER SENSING REAR	ｶﾐｹﾝﾁﾌﾗｸﾞｳｼﾛ
14	0CW4A17415000	AG	DS		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
15	0CW4A17378000	AD	DJ		C	LATCH UPPER PANEL	ｳｴｶﾊﾞｰﾗｯﾁ
16	0CW4A18898000	AK	DX		D	PANEL UPPER SUB	ｻﾌﾞｳｴｶﾊﾞｰ
17	0CW4A18899000	AZ	FQ		D	PANEL UPPER	ｳｴｶﾊﾞｰ
18	0CW4S12048000	AL	EB	N	C	SPRING TENSION F	ﾈｼﾞﾘﾊﾞﾈF
19	0CW4S12049000	AL	EB	N	C	SPRING TENSION R	ﾈｼﾞﾘﾊﾞﾈR
20	0CW4B10675000	AH	DX	N	C	PLATE SPRING	ﾄｯﾌﾟｶﾊﾞｰ板ﾊﾞﾈ
21	0CW4A17317000	AC	DJ		C	ROLLER PAPER FEED	ﾊﾝｿｳｺﾛ
22	0CW4A18902000	BE	GN		D	PANEL FIXING	ｺﾃｲｶﾊﾞｰ
23	0CW4A18903000	AX	FG		D	PANEL FRONT	ﾏｴｶﾊﾞｰ
24	0CW4B10583000	AE	DJ		C	BAND PANEL	ｶﾊﾞｰｽﾄﾗｯﾌﾟ
25	0CW4B10585000	AD	DJ		C	SUPPORT PANEL BAND 2	ｶﾊﾞｰｽﾄﾗｯﾌﾟ ｻﾎﾟｰﾄ(2)
26	0CW4A18908000	BF	GN		C	STACK TRAY 1	ｽﾀｯｸﾄﾚｲ(1)
27	0CW4A18909000	BA	FX		C	STACK TRAY 2	ｽﾀｯｸﾄﾚｲ(2)
28	0CWFC22120000	AC	DJ		C	SCREW(M4x7)	ﾋﾞｽ
29	0CW4A17424000	AF	DS		C	PLATE GROWING	ｱｰｽｲﾀ
30	0CW4A18865000	AQ	EQ		D	PANEL DOME	ﾄﾞｰﾑｶﾊﾞｰ(1)
31	0CW4A18866000	AW	FG		D	COVER DOME 2	ﾄﾞｰﾑｶﾊﾞｰ(2)
32	0CW4A17270000	AG	DS		C	FLAG BASE TRAY	ﾍﾞｰｽﾄﾚｲﾌﾗｸﾞ
33	0CW4A18867000	BA	FX		C	TRAY BASE	ﾍﾞｰｽﾄﾚｲ
34	0CW4A18868000	AL	EB		C	ARM STOPPER	ｽﾄｯﾊﾟｱｰﾑ
35	0CW4A17400000	AC	DJ		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
36	0CW4A17408000	AD	DJ		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
37	0CW4A17566000	AD	DJ		C	CLIP SHAFT	ｼﾞｸｸﾘｯﾌﾟ
38	0CW4A17567000	AD	DJ		C	CLIP SHAFT(KL-CL1P6)	ｼﾞｸｸﾘｯﾌﾟ
39	0CW4A18338000	AL	EB		C	GUIDE DUMMY PUNCHER PAPER	ﾀﾞﾐｰﾊﾟﾝﾁｶﾐｶﾞｲﾄﾞ
40	0CW4116P433//	AY	FQ	N	D	LABEL STAPLE REMOVING	ﾊﾘｼｮﾘﾗﾍﾞﾙ
41	0CW4A17284000	AD	DJ		C	GEAR(48T/15T)	ｷﾞｱ
42	0CW4116P316A1	AH	DX	N	C	TOP COVER RIB	上カバーリブ
43	0CW4B10584000	AD	DJ		C	SUPPORT PANEL BAND 1	ｶﾊﾞｰｽﾄﾗｯﾌﾟｻﾎﾟｰﾄ(1)
44	0CW4B10855000	AF	DS		C	TRAY RIB	ﾄﾚｲﾘﾌﾞ
48	0CW4B10774000	AN	EG	N	C	TRAY STAY	ﾄﾚｲｽﾃｰ
50	0CW4B10851000	AK	DX		C	TRAY MYLAR	ﾄﾚｲﾏｲﾗｰ
52	0CW4B10395000	AL	EB		C	TRAY BRACKET F	ﾄﾚｲﾌﾞﾗｹｯﾄ F
53	0CW4B10394000	AL	EB		C	TRAY BRACKET R	ﾄﾚｲﾌﾞﾗｹｯﾄ R
54	0CW4048P076A/	AE	DS	N	C	SCREW(M4)	段ビス
55	0CW4116P220//	AG	DX	N	D	JAM COVER SUB F	JAM ｶﾊﾞｰｽﾍﾞｰｻｰ(ﾏｴ)
56	0CW4116P222//	AG	DX	N	D	JAM COVER SUB R	JAM ｶﾊﾞｰｽﾍﾞｰｻｰ(ｳｼﾛ)
57	0CW4116P315A/	AG	DX	N	C	TOP COVER RIB	ﾄｯﾌﾟｶﾊﾞｰﾘﾌﾞ
58	0CW4113P027A/	AK	DX	N	C	PANEL SPRING INSIDE	ﾄｯﾌﾟｶﾊﾞｰ板ﾊﾞﾈ(ﾅｶ)
60	0CW4B10582000	AH	DX	N	C	PLATE SPRING	板ﾊﾞﾈ
501	0CWXB12400607	AB	DJ		C	SCREW(M4x6)	ﾋﾞｽ
502	0CWXB47401007	AB	DJ		C	SCREW TAPPING(M4x10)	ﾀｯﾋﾟﾝ ﾋﾞｽ
503	0CWXB47300607	AB	DJ		C	SCREW TAPPING(M3x6)	ﾀｯﾋﾟﾝ ﾋﾞｽ
504	0CW4B10848000	AB	DJ		C	SCREW(M4x6)	ﾋﾞｽ
505	0CWXB47401006	AB	DJ		C	SCREW(M4x10)	ﾋﾞｽ

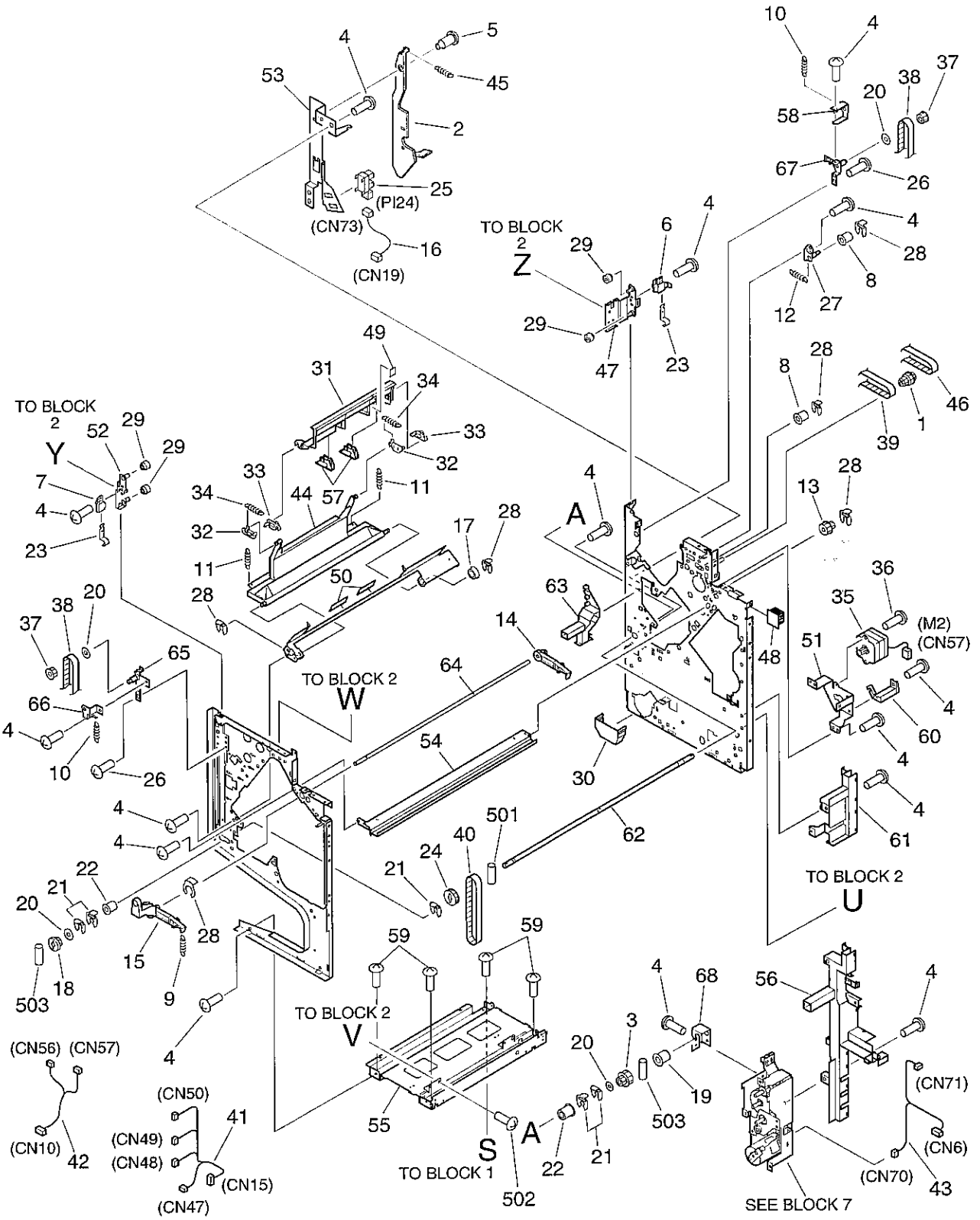
2 外装ｶﾊﾞｰ (Exterial Covers,Panels etc.)



3 本体機械内部 1 (Internal Components 1)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4A17267000	AE	DJ		C	GEAR(24T/24T)	ｷﾞｱ
2	0CW4A17577000	AE	DS		C	LEVER STACK	ｽﾀｯｸﾚﾊﾞｰ
3	0CW4A17259000	AD	DJ		C	GEAR(16T/18T)	ｷﾞｱ
4	0CWFC22120000	AC	DJ		C	SCREW(M4x7)	ﾋﾞｽ
5	0CWFS19009000	AC	DJ		C	SCREW STEPPED(M3)	ﾀﾞﾝﾋﾞｽ
6	0CW4A17353000	AE	DJ		C	HOLDER BELT REAR	ﾍﾞﾙﾄﾎﾙﾀﾞｳｼﾛ
7	0CW4A17354000	AE	DJ		C	HOLDER BELT FRONT	ﾍﾞﾙﾄﾎﾙﾀﾞﾏｴ
8	0CW4A17371000	AC	DJ		C	ROLLER TENSIONER	ﾃﾝｼｮﾅｺﾛ
9	0CW4A17428000	AC	DJ		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
10	0CW4A17414000	AD	DJ		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
11	0CW4A17417000	AD	DJ		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
12	0CW4A17419000	AD	DJ		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
13	0CW4A17509000	AD	DJ		C	PULLEY(18T/24T)	ﾌﾟｰﾘ
14	0CW4A17517000	AE	DS		C	LATCH	ﾗｯﾁ
15	0CW4A17518000	AG	DX		C	LATCH 2	ﾗｯﾁ 2
16	0CW4H16512000	AF	DS		C	CABLE STACK SENSOR	ｽﾀｯｸｾﾝｻﾀﾊﾞｾﾝ
17	0CW4A17523000	AC	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
18	0CW4A17524000	AD	DJ		C	PULLEY(18T)	ﾌﾟｰﾘ
19	0CW4A17528000	AC	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
20	0CW4A17542000	AC	DJ		C	FLANGE	ﾌﾗﾝｼﾞ
21	0CW4A17567000	AD	DJ		C	CLIP SHAFT	ｼﾞｸｸﾘｯﾌﾟ
22	0CW4A17572000	AE	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
23	0CW4A17691000	AC	DJ		C	SPRING LEAF	ｲﾀﾊﾞﾈ
24	0CW4A17288000	AD	DJ		C	PULLEY(40T)	ﾌﾟｰﾘ
25	0CWWG85362000	AH	DX		B	IC(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
26	0CW4S19077000	AC	DJ		C	SCREW(M4x8)	ﾋﾞｽ
27	0CW4F11556000	AG	DX		C	PLATE PAPER FEED TENSIONER	ﾊﾝｿｳﾃﾝｼｮﾅｲﾀ
28	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
29	0CW4A17265000	AC	DJ		C	ROLLER RAIL	ﾚｰﾙｺﾛ
30	0CW4A17534000	AF	DS		C	CAP MOTOR	ﾓｰﾀｷｬｯﾌﾟ
31	0CW4114P280A1	AG	DS	N	C	GUIDE STOPPER	ｼｮﾘｽﾄｯﾊﾟｶﾞｲﾄﾞ
32	0CW4A17539000	AK	DX		C	LINK	ﾘﾝｸ 1
33	0CW4A17540000	AC	DJ		C	LINK 2	ﾘﾝｸ 2
34	0CW4A17549000	AC	DJ		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
35	0CW4K11080000	BF	GN		B	MOTOR STEPPING	ｽﾃｯﾋﾟﾝｸﾞﾓｰﾀ
36	0CWFC25034000	AB	DJ		C	SCREW W/WASHER(M3x6)	ﾊﾞﾈﾂｷﾅﾍﾞﾋﾞｽ
37	0CW4A17355000	AD	DJ		C	PULLEY(18T)	ﾌﾟｰﾘ
38	0CWXF21817960	AS	EZ		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
39	0CWXF21619860	AQ	EQ		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
40	0CWXF21618840	AP	EQ		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
41	0CW4H16460000	AP	EQ		C	CABLE SENSOR	ｾﾝｻﾀﾊﾞｾﾝ
42	0CW4H16602000	AU	EZ		C	BUNDLE WIRE FOR THE PADDLE MOTOR	ﾊﾞﾝﾄﾞﾙﾜｲﾔｰ
43	0CW4H16467000	AP	EQ		C	CABLE DC MOTOR	DC ﾓｰﾀﾀﾞﾊﾞｾﾝ
44	0CW4A17321000	AR	EQ		C	ARM STOPPER	ｽﾄｯﾊﾟｱｰﾑ
45	0CW4A17400000	AC	DJ		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
46	0CWXF21605040	AL	EB		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
47	0CW4A18886000	AS	EZ		B	TRAY STAY F	ﾄﾚｲｽﾃｲ F
48	0CW4116P016//	AG	DX	N	C	LATCH GUIDE PIN	ﾗｯﾁﾋﾟﾝｶﾞｲﾄﾞ
49	0CW4A17578000	AD	DJ		B	PAD	ﾊﾟｯﾄﾞ
50	0CW4B10785000	AC	DJ		B	PAD	ﾊﾟｯﾄﾞ
51	0CW4B10390000	AN	EQ		B	MOTOR PLATE	ﾓｰﾀｰﾌﾟﾚｰﾄ
52	0CW4A18887000	AN	EG		B	TRAY STAY R	ﾄﾚｲｽﾃｲ R
53	0CW4A17576000	AH	DX		B	STACK LEVER BRACKET	ｽﾀｯｸﾚﾊﾞｰﾌﾞﾗｹｯﾄ
54	0CW4A17482000	AP	EQ		B	FR-ST-STAY	FR-ST- ｽﾃｲ
55	0CW4A17491000	AW	FG		B	STAY FRAME	ｽﾃｲﾌﾚｰﾑ
56	0CW4A17511000	AR	EQ		B	FR-DUCT-RU	FR ﾀﾞｸﾄ -RU
57	0CW4114K155B/	AF	DS	N	C	SR SUPPORT COVER	SR 押えｶﾊﾞｰ
58	0CW4A17475000	AH	DX	N	C	TS SUPPORT PLATE (REAR)	TS 押え板 (後)
59	0CWFC22120000	AC	DJ		C	SCREW(M4x7)	ﾋﾞｽ
60	0CW4A17543000	AE	DS	N	C	CABLE GUIDE	束線ｶﾞｲﾄﾞ
61	0CW4A17512000	AE	DJ	N	C	CABLE GUIDE (REAR LOWER)	束線ｶﾞｲﾄﾞ (後下)
62	0CW4A17217000	AV	FG	N	C	STACK SHAFT	ｽﾀｯｸ軸
63	0CW4A17510000	AK	DX	N	C	CABLE GUIDE (MIDDLE REAR)	束線ｶﾞｲﾄﾞ (中後)
64	0CW4A17253000	AS	EZ	N	C	FRAME LATCH SHAFT	ﾌﾚｰﾑﾗｯﾁ軸
65	0CW4F11560000	AH	DX	N	C	PULLEY SUPPORT PLATE (FRONT LOWER)	ﾌﾟｰﾘ支板 (前下)
66	0CW4A17474000	AG	DS	N	C	RISE AND FALL SUPPORT PLATE (FRONT)	昇降押え板 (前)
67	0CW4F11558000	AH	DX	N	C	PULLEY SUPPORT PLATE (REAR LOWER)	ﾌﾟｰﾘ支板 (後下)
68	0CW4A17489000	AG	DS	N	C	STACK MOTOR REINFORCEMENT PLATE	ｽﾀｯｸﾓｰﾀ補強板
501	0CWXD32200142	AC	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾟﾝ
502	0CWXB47401007	AB	DJ		C	SCREW TAPPING(M4x10)	ﾀｯﾋﾟﾝ ﾋﾞｽ
503	0CWXD12300142	AC	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾟﾝ

3 本体機械内部 1 (Internal Components 1)



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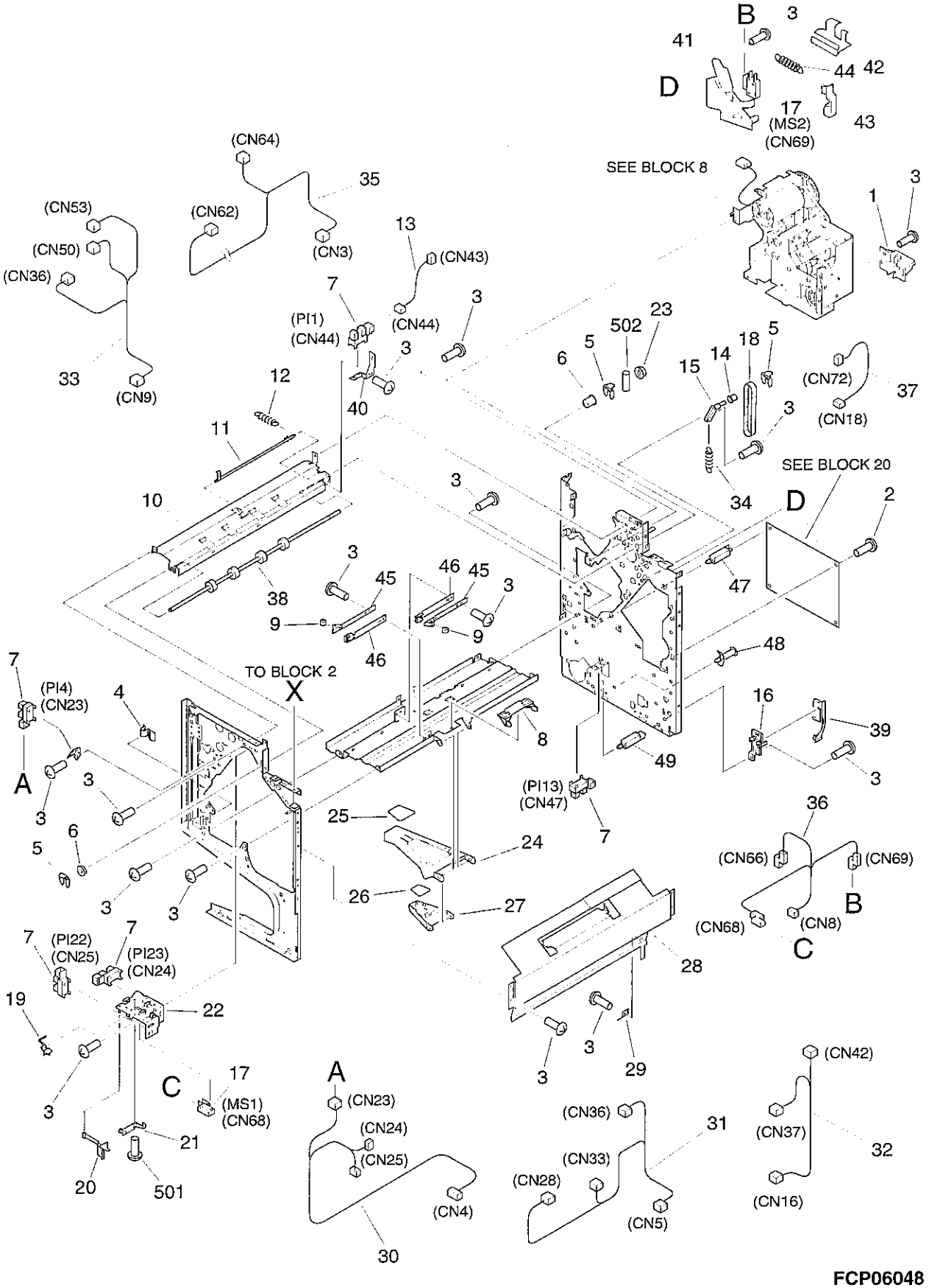
4 本体機械内部 2 (Internal Components 2)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4A18859000	AH	DX		D	COVER STOPPER	ｽﾄｯﾊﾟｶﾊﾞｰ
2	0CW4S19077000	AC	DJ		C	SCREW(M4×8)	ﾋﾞｽ
3	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
4	0CW4B10586010	AC	DJ		C	PLATE STAPLER FRAME STOPPER	ｽﾃｲﾌﾟﾗ ﾌﾚｰﾑ ｽﾄｯﾊﾟ
5	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
6	0CWFS21672000	AD	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
7	0CWWG85362000	AH	DX		B	IC(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
8	0CW4A18316000	AD	DJ		D	COVER BLANKING	目隠しｶﾊﾞｰ
9	0CW4A17515000	AC	DJ		C	ROLLER FRAME TRAY	処理ﾄﾚｲｺﾛ
10	0CW4A17172010	AN	EQ		C	GUIDE PAPER LOWER	通紙ｶﾞｲﾄﾞ(ｼﾀ)
11	0CW4A17349000	AF	DS		C	FLAG SENSOR	ｾﾝｻﾌﾗｸﾞ
12	0CW4A17418000	AD	DJ		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
13	0CW4H16454000	AE	DS		C	CABLE SENSOR	ｾﾝｻｰﾀﾊﾞｾﾝ
14	0CW4A17371000	AC	DJ		C	ROLLER TENSIONER	ﾃﾝｼｮﾅｺﾛ
15	0CW4F11557000	AH	DX		C	PLATE PAPER FEED TENSIONER 2	搬送ﾃﾝｼｮﾅ板 (2)
16	0CW4A17336000	AE	DJ		C	HOLDER SWITCH	ｽｲｯﾁﾎﾙﾀﾞ
17	0CW4H16449010	AM	EG		B	MICROSWITCH	ﾏｲｸﾛｽｲｯﾁ
18	0CWXF21607440	AK	DX		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
19	0CW4A17505000	AD	DJ		C	FLAG TOP SENSOR	ﾄｯﾌﾟｾﾝｻﾌﾗｸﾞ
20	0CW4A17506000	AE	DS		C	LEVER SWITCH	ｽｲｯﾁﾚﾊﾞｰ
21	0CW4A17507000	AD	DJ		C	HOLDER LEVER SUPPORT	ﾚﾊﾞｰ押えﾎﾙﾀﾞ
22	0CW4A17508000	AG	DX		C	HOLDER SENSOR/MICROSWITCH	ｾﾝｻ/ﾏｲｸﾛｽｲｯﾁﾎﾙﾀﾞ
23	0CW4A17268000	AD	DJ		C	GEAR(24T)	ｷﾞｱ
24	0CW4A18900000	AK	DX		C	GUIDE PAPER WEIGHT 1	重りｶﾞｲﾄﾞ(1)
25	0CW4A17495000	AD	DJ		C	PLATE WEIGHT 1	重り板(1)
26	0CW4A17496000	AD	DJ		C	PLATE WEIGHT 2	重り板(2)
27	0CW4A18901000	AG	DS		C	GUIDE PAPER WEIGHT 2	重りｶﾞｲﾄﾞ(2)
28	0CW4A17488000	AV	FG		D	PANEL FRAME COVER	ﾌﾚｰﾑｶﾊﾞｰ
29	0CW4A18314000	AC	DJ		C	SPRING LEAF GROUNDING	ｱｰｽ板ﾊﾞﾈ
30	0CW4H16452000	AQ	EQ		C	CABLE FRONT DOOR SENSOR	前ﾄﾞｱｾﾝｻ束線
31	0CW4H16453000	AU	EZ		C	CABLE LEBER TRAY SENSOR	ﾚﾊﾞｰﾄﾚｲｾﾝｻ束線
32	0CW4H16461000	AN	EQ		C	CABLE SENSOR 2	ｾﾝｻ束線(2)
33	0CW4H16462000	AL	EB		C	CABLE SENSOR 3	ｾﾝｻ束線(3)
34	0CW4A17409000	AD	DJ		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
35	0CW4H16465000	AQ	EQ		C	CABLE JOG MOTOR	ｼﾞｮｸﾞ ﾓｰﾀ束線
36	0CW4H16553000	AS	EQ		C	CABLE SWITCH	ｽｲｯﾁ束線
37	0CW4H16511000	AE	DS		C	CABLE BIND CLUTCH	ﾊﾞｲﾝﾄﾞｸﾗｯﾁ束線
38	0CW4116P405A1	BA	FX	N	C	ROLLER PAPER FEED	入りﾛｰﾗｰ
39	0CW4A18337000	AK	DX		C	PLATE SWITCH PUSH	ｽｲｯﾁ押し板
40	0CW4A17467000	AF	DS		C	SENSOR BRACKET	ｾﾝｻｰﾌﾞﾗｹｯﾄ
41	0CW4A18951000	AG	DX		C	JOINT-SWITCH HOLDER	ｼﾞｮｲﾝﾄｽｲｯﾁﾎﾙﾀﾞｰ
42	0CW4A18948000	AN	EG		C	GROUNDING PLATE	ｸﾞﾗｳﾝﾃﾞｨﾝｸﾞﾌﾟﾚｰﾄ
43	0CW4A18869000	AE	DS		C	SWITCH LEVER	ｽｲｯﾁﾚﾊﾞｰ
44	0CW4A18863000	AE	DJ		C	SPRING	ｽﾌﾟﾘﾝｸﾞ
45	0CW4A17425000	AE	DS	N	C	PROCESSING TRAY FRAME LOCK PLATE 1	処理ﾄﾚｲﾌﾚｰﾑﾛｯｸ板 1
46	0CW4A17426000	AH	DX	N	C	PROCESSING TRAY FRAME LOCK PLATE 2	処理ﾄﾚｲﾌﾚｰﾑﾛｯｸ板 2
47	0CWVT25019030	AE	DS	N	C	SLIP GUIDE	ｽﾘｯﾌﾟｶﾞｲﾄﾞ
48	0CWVT20002018	AE	DJ	N	C	PWB SPACER	PWB ｽﾍﾟｰｻ
49	0CWVT25171030	AE	DS	N	C	PWB SPACER	PWB ｽﾍﾟｰｻ
501	0CWXB47401007	AB	DJ		C	SCREW TAPPING(M4×10)	ﾀｯﾋﾟﾝ ﾋﾞｽ
502	0CWXD32200122	AC	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾟﾝ

4 本体機械内部 2 (Internal Components 2)



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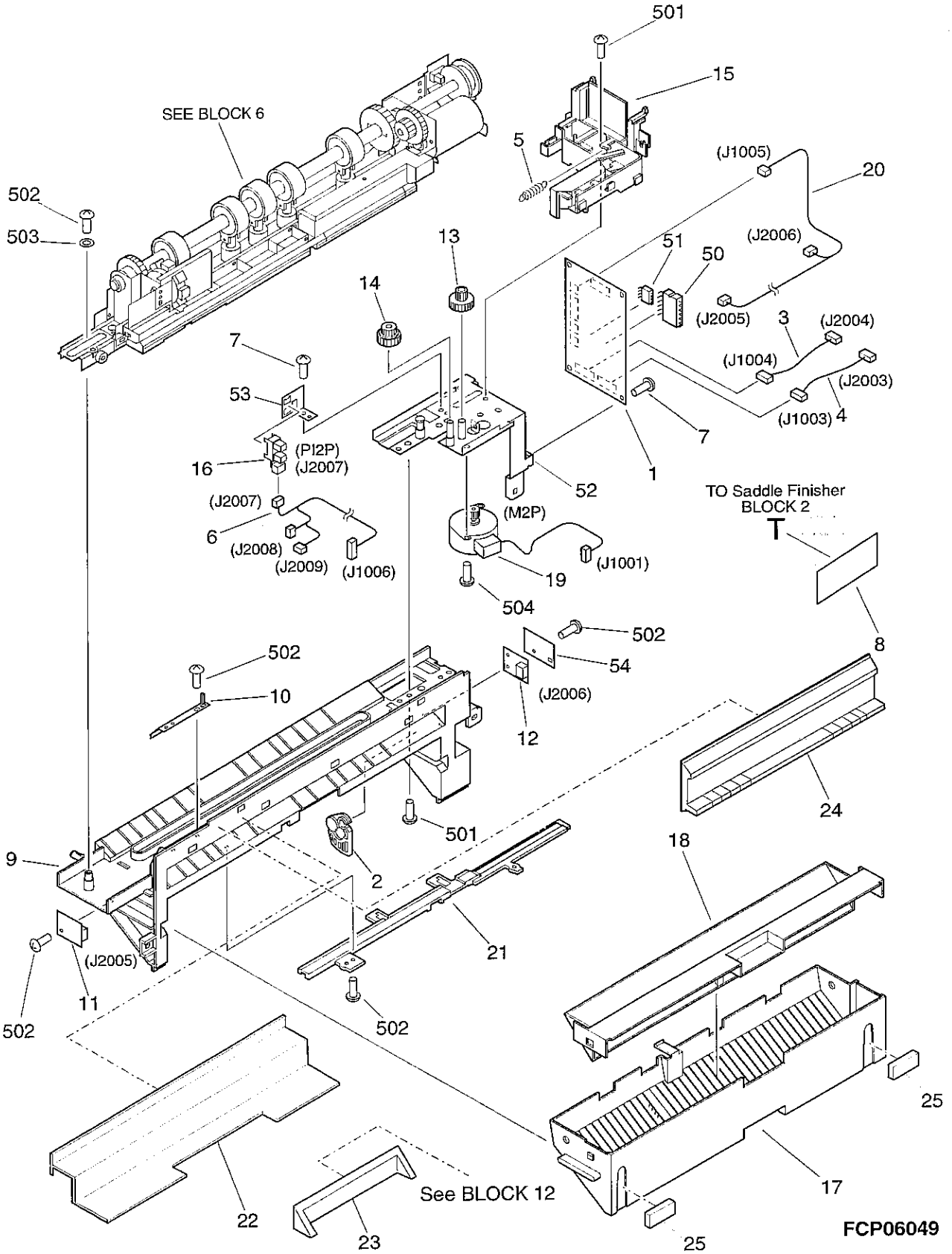
5 ﾊﾟﾝﾁｬ部 (Puncher Assembly)[AR-PN1]

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4G11297010	CA	TR		E	PUNCHER CONTROLLER PCB ASSY'	ﾊﾟﾝﾁｬ ｺﾝﾄﾛｰﾗｶｲﾛｷﾊﾞﾝ
2	0CW4A18685000	AF	DS		C	SHUTTER PUNCHER	ﾊﾟﾝﾁｬ ｼｬｯﾀｰ
3	0CW4H16514000	AP	EQ		C	CABLE POWER CONNECTING	ﾃﾞﾝｹﾞﾝﾁｭｳｹｲﾀﾊﾞｾﾝ
4	0CW4H16515000	AH	DX		C	CABLE INTERFACE	ｲﾝﾀｰﾌｪｲｽﾀﾊﾞｾﾝ
5	0CW4A18683000	AE	DJ		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
6	0CW4H16524000	AV	FG		C	CABLE SENSOR	ｾﾝｻｰﾀﾊﾞｾﾝ
7	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
8	0CW4B10489000	AF	DS		C	LABEL PUNCH DIAL	ﾊﾟﾝﾁﾀﾞｲﾔﾙﾗﾍﾞﾙ
9	0CW4A18672000	AY	FQ		C	MOUNT PUNCHER	ﾊﾟﾝﾁｬﾀﾞｲ
10	0CW4A18673000	AF	DS		D	COVER HARNESS	ﾊｰﾈｽｶﾊﾞｰ
11	0CW4H16537000	AF	DS		E	DUST LED PCB UNIT	ﾀﾞｽﾄ LED ｶｲﾛｷﾊﾞﾝ
12	0CW4H16538000	AF	DS		E	DUST PTR PWB UNIT	ﾀﾞｽﾄ PTR ｶｲﾛｷﾊﾞﾝ
13	0CW4A18679000	AF	DS		C	GEAR(16T/33T)	ｷﾞｱ
14	0CW4A18680000	AF	DS		C	GEAR(19T/32T)	ｷﾞｱ
15	0CW4A18681000	AM	EG		C	DUCT PUNCHER	ﾊﾟﾝﾁｬﾀﾞｸﾄ
16	0CWWG85362000	AH	DX		B	IC(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
17	0CW4A18686000	AT	EZ		C	PANEL DUST BOX	ﾀﾞｽﾄﾎﾞｯｸｽ
18	0CW4A18687000	AQ	EQ		D	COVER DUST BOX	ﾀﾞｽﾄﾎﾞｯｸｽ ｶﾊﾞｰ
19	0CW4K11078000	BB	FX		B	MOTOR STEPPIG	ｽﾃｯﾋﾟﾝｸﾞﾓｰﾀ
20	0CW4H16530000	AG	DX		C	CABLE DUST SENSOR	ﾀｽﾞｹﾝﾁﾀﾊﾞｾﾝ
21	0CW4A18704000	AN	EQ		D	COVER PUNCHER BASE	ﾊﾟﾝﾁｬﾍﾞｰｽｶﾊﾞｰ
22	0CW4A18708000	AY	FQ		D	DUST-BOX COVER	ﾀﾞｽﾄﾎﾞｯｸｽｶﾊﾞｰ
23	0CW4B10847000	AF	DS		D	DUST-BOX RUBER	ﾀﾞｽﾄﾎﾞｯｸｽﾗﾊﾞｰ
24	0CW4B10480000	AR	EQ		C	GUIDE	ｶﾞｲﾄﾞ
25	0CW4B10493000	AE	DS		C	DUST-BOX SPONGE	ﾀﾞｸﾄﾎﾞｯｸｽｽﾎﾟﾝｼﾞ
50	0CW4F12061010	BS	MJ		B	IC M38039FFSP CPU	CPU
51	0CWWA70484000	AN	EG		B	IC S-93C46ADP EP-ROM	EP-ROM
52	0CW4F11850000	AU	EZ		B	PC-PM-SUB BASE ASSY'	PC-PM ｻﾌﾞﾍﾞｰｽ
53	0CW4A18684000	AF	DS	N	C	PC SENSOR PLATE	PC ｾﾝｻｰﾌﾟﾚｰﾄ
54	0CW4A18689000	AF	DS	N	C	PC-PWB FILM	PC-PWB ﾌｨﾙﾑ
501	0CWXB12400605	AB	DJ		C	SCREW(M4×6)	ﾋﾞｽ
502	0CWXB47300805	AB	DJ		C	SCREW TAPPING(M3×8)	ﾀｯﾋﾟﾝ ﾋﾞｽ
503	0CWXD11104629	AC	DJ		C	WASHER	ﾜｯｼｬ
504	0CWXB24300605	AB	DJ		C	SCREW W/WASHER(M3×6)	ﾊﾞﾈﾂｷﾅﾍﾞﾋﾞｽ

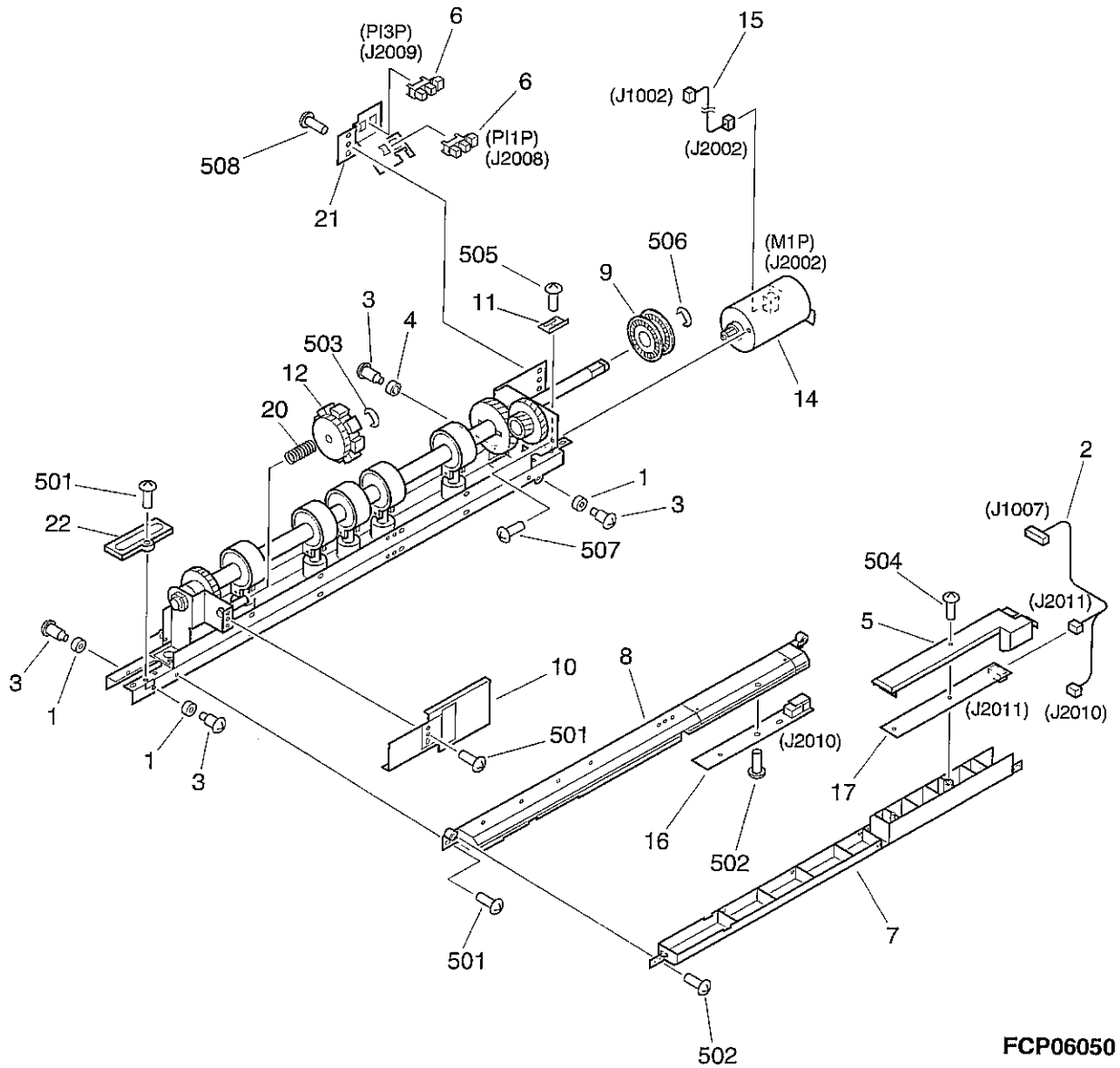
5 ﾊﾟﾝﾁｬ部 (Puncher Assembly)[AR-PN1]



6 ﾊﾟﾝﾁｬﾄｰﾀﾙ部 (Puncher Total Assembly)[AR-PN1]

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4A18688000	AD	DJ		C	ROLLER PUNCHER	ﾊﾟﾝﾁｬｺﾛ
2	0CW4H16523000	BA	FX		C	CABLE REGISTRETION SENSOR	ﾚｼﾞｽﾄｾﾝｻﾀﾊﾟｾﾝ
3	0CWFS19102000	AC	DJ		C	SCREW STEPPED(M3)	ﾀﾞﾝﾋﾞｽ
4	0CWFS56528000	AE	DJ		C	ROLLER	ｱｰｽｺﾛ
5	0CW4A18682000	AG	DX		D	COVER REGSTRETION	ﾚｼﾞｽﾄｶﾊﾞｰ
6	0CWWG85362000	AH	DX		B	IC(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾞﾀ
7	0CWFF60507000	AV	FG		C	HOLDER SENSOR UPPER	ﾄｳｶｾﾝｻｰﾎﾙﾀﾞ (ｳｴ)
8	0CWFF60508000	AV	FG		C	HOLDER SENSOR LOWER	ﾄｳｶｾﾝｻｰﾎﾙﾀﾞ (ｼﾀ)
9	0CWFB56775000	AH	DX		C	PLATE SENSOR FLAG	ｾﾝｻﾌﾗｸﾞﾊﾞﾝ
10	0CW4B10476000	AG	DS		D	COVER JAM CLEARING	ｼﾞｬﾑｼｮﾘｶﾊﾞｰ
11	0CWFB55968000	AH	DX		C	RACK SLIDE	ｽﾗｲﾄﾞﾗｯｸ
12	0CW4B10477000	AG	DS		C	KNOB JAM CLEANING	ｼﾞｬﾑｼｮﾘﾉﾌﾞ
14	0CW4F12026000	BA	FX		B	MOTOR DC	DC ﾓｰﾀ
15	0CW4H16531000	AP	EQ		C	CABLE MOTOR	ﾓｰﾀﾊﾞｾﾝ
16	0CW4H16507000	AK	DX		E	PCB UNIT	ｶｲﾛｷﾊﾞﾝ
17	0CW4H16508000	AK	DX		E	PCB UNIT	ｶｲﾛｷﾊﾞﾝ
20	0CW4B10490000	AG	DX		C	SPRING	ｽﾌﾟﾘﾝｸﾞ
21	0CW4A18690000	AH	DX		C	PC SENSOR BRACKET	PC ｾﾝｻｰﾌﾞﾗｹｯﾄ
22	0CWFB55969000	AE	DJ		C	SLIDE BEARING	ﾍﾞｱﾘﾝｸﾞｽﾗｲﾄﾞ
501	0CWXB12300605	AB	DJ		C	SCREW(M3x6)	ﾋﾞｽ
502	0CWXB47300805	AB	DJ		C	SCREW TAPPING(M3x8)	ﾀｯﾋﾟﾝ ﾋﾞｽ
503	0CWXD21100502	AC	DJ		C	RING E	E ﾘﾝｸﾞ
504	0CWXB47301209	AB	DJ		C	SCREW TAPPING(M3x12)	ﾀｯﾋﾟﾝ ﾋﾞｽ
505	0CWXB24300805	AB	DJ		C	SCREW W/WASHER(M3x8)	ﾊﾞﾈﾂｷﾅﾍﾞﾋﾞｽ
506	0CWXD21100642	AC	DJ		C	RING E	E ﾘﾝｸﾞ
507	0CWXB12300805	AB	DJ		C	SCREW(M3x5)	ﾋﾞｽ
508	0CWXB12400805	AB	DJ		C	SCREW(M4x8)	ﾋﾞｽ

6 ﾊﾟﾝﾁｬﾄｰﾀﾙ部 (Puncher Total Assembly)[AR-PN1]



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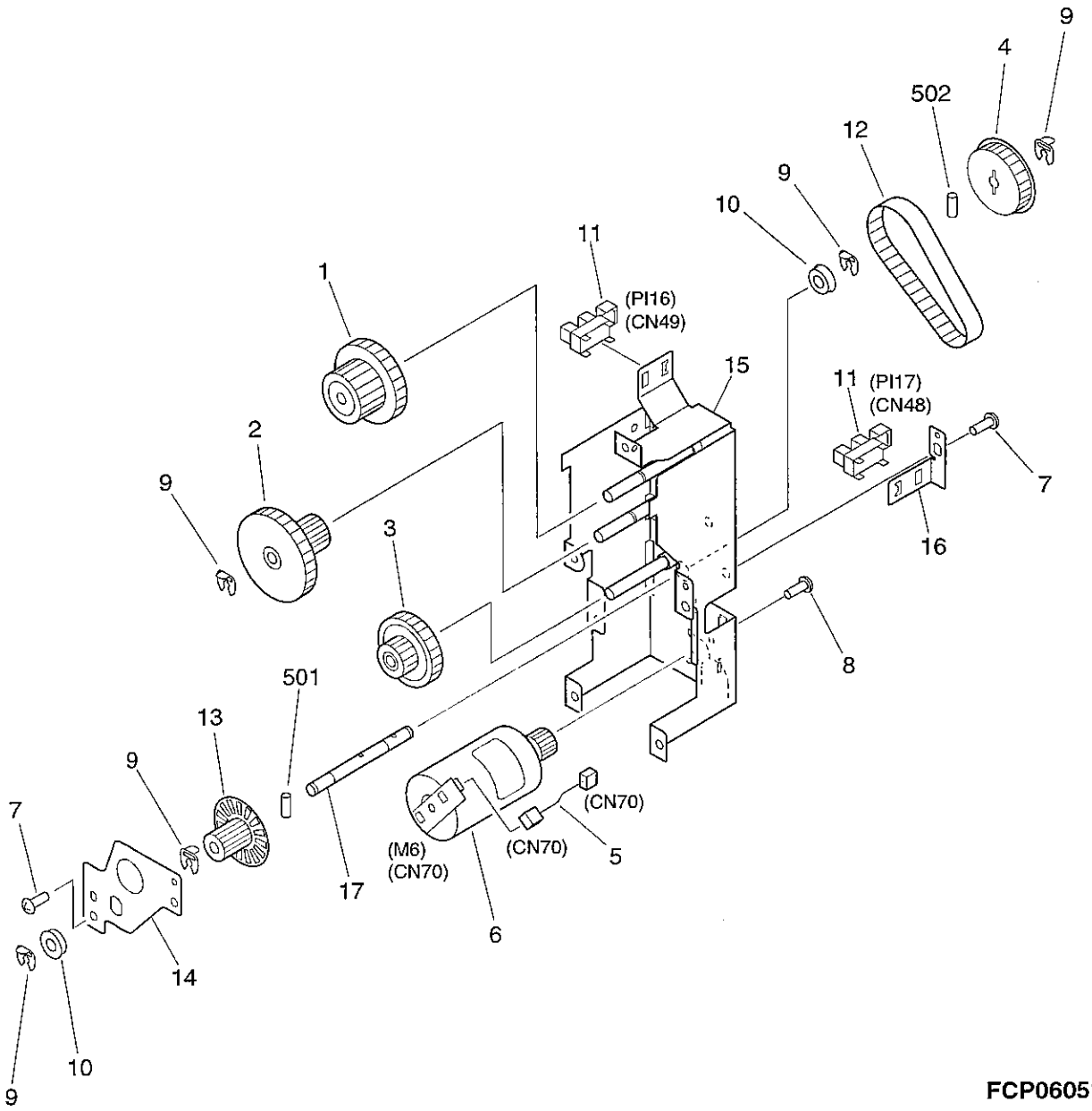
7 ｽﾀｯｸﾓｰﾀｰ駆動部 (Stack Motor Driver Assembly)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4A17260000	AF	DS		C	GEAR(16T/40T)	ｷﾞｱ
2	0CW4A17261000	AG	DS		C	GEAR(16T/45T)	ｷﾞｱ
3	0CW4A17262000	AE	DS		C	GEAR(16T/45T)	ｷﾞｱ
4	0CW4A17263000	AE	DS		C	PULLEY(56T)	ﾌﾟｰﾘ
5	0CW4H16458000	AK	DX		C	CABLE SHIFT MOTOR	ｼﾌﾄﾓｰﾀﾀﾊﾞｾﾝ
6	0CW4F12019000	BD	GN		B	MOTOR(DC24V)	DC ﾓｰﾀ
7	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
8	0CWFC25034000	AB	DJ		C	SCREW W/WASHER(M3×6)	ﾊﾞﾈｯｷﾅﾍﾞﾋﾞｽ
9	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
10	0CWFS21672000	AD	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
11	0CWWG85362000	AH	DX		B	IC(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
12	0CWXF21608040	AN	EG		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
13	0CW4A17264000	AE	DJ		C	PLATE CLOCK CENSOR	ｸﾛｯｸｾﾝｻｰﾊﾞﾝ
14	0CW4A17469000	AD	DJ		C	STACK MOTOR SUB PLATE	ｽﾀｯｸﾓｰﾀｻﾌﾞﾌﾟﾚｰﾄ
15	0CW4F11562000	AT	EZ		C	STACK MOTOR PLATE ASSY'	ｽﾀｯｸﾓｰﾀﾌﾟﾚｰﾄ
16	0CW4A17173000	AD	DJ		C	CLOCK SENSOR BRACKET	ｸﾛｯｸｾﾝｻｰﾌﾞﾗｹｯﾄ
17	0CW4A17215000	AG	DX	N	C	CLOCK SENSOR SHAFT	ｸﾛｯｸｾﾝｻｰ軸
501	0CWXD32200122	AC	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾞﾝ
502	0CWXD32200142	AC	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾞﾝ

7 ｽﾀｯｸﾓｰﾀｰ駆動部 (Stack Motor Driver Assembly)



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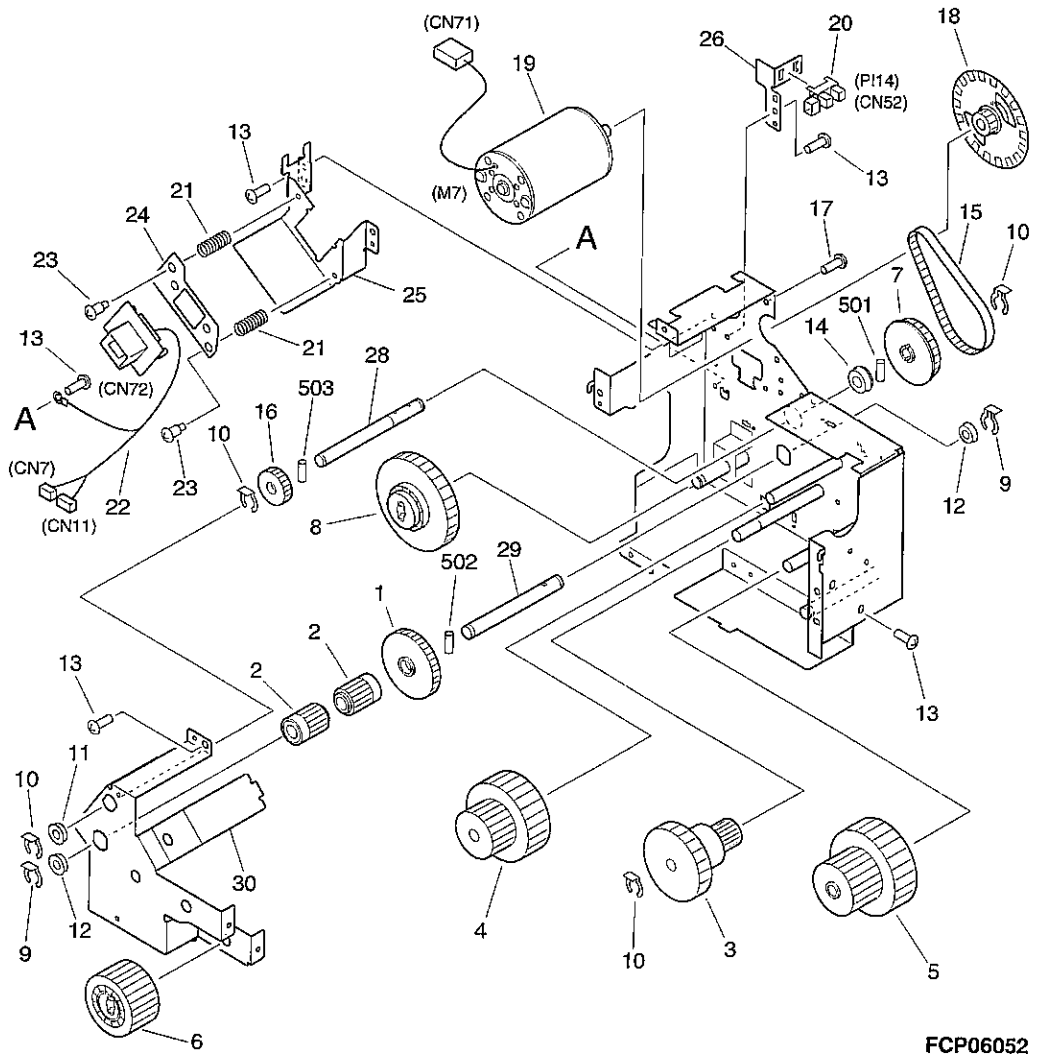
8 駆動部 (Drive Assembly)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4A17301000	AE	DS		C	GEAR(58T)	ｷﾞｱ
2	0CW4A17302000	AQ	EQ		C	GEAR(23T)	ｷﾞｱ
3	0CW4A17303000	AK	DX		C	GEAR(17T/65T)	ｷﾞｱ
4	0CW4A17304000	AL	EB		C	GEAR(15T/54T)	ｷﾞｱ
5	0CW4A17305000	AL	EB		C	GEAR(17T/29T)	ｷﾞｱ
6	0CW4A17306000	AH	DX		C	GEAR(20T)	ｷﾞｱ
7	0CW4A17307000	AF	DS		C	PULLEY(45T)	ﾌﾟｰﾘ
8	0CW4A17338000	AH	DX		C	GEAR(82T)	ｷﾞｱ
9	0CW4A17566000	AD	DJ		C	CLIP SHAFT	ｼﾞｸｸﾘｯﾌﾟ
10	0CW4A17567000	AD	DJ		C	CLIP SHAFT	ｼﾞｸｸﾘｯﾌﾟ
11	0CW4A17572000	AE	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
12	0CW4A17573000	AE	DS		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
13	0CWFC22120000	AC	DJ		C	SCREW(M4x7)	ﾋﾞｽ
14	0CWFS21615000	AS	EZ		C	BEARING BALL	ﾎﾞｰﾙﾍﾞｱﾘﾝｸﾞ
15	0CWXF21807000	AP	EQ		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
16	0CW4A17300000	AD	DJ		C	GEAR(29T)	ｷﾞｱ
17	0CWFC25031000	AC	DJ		C	SCREW(M4x6)	ﾋﾞｽ
18	0CW4A17308000	AS	EZ		C	FLAG CLOCK SENSOR	ｸﾛｯｸｾﾝｻｰﾌﾗｸﾞ
19	0CW4K11069000	BR	LX		B	MOTOR(DC24V)	DC ﾓｰﾀ
20	0CWWG85421000	AR	EQ		B	PHOTO-INTERRUPTER	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
21	0CW4A17407000	AD	DJ		C	SPRING COMPRESSION	ｱｯｼｭｸﾊﾞﾈ
22	0CW4H16468000	AY	FQ		C	CABLE STAPLER	ｽﾃｲﾌﾟﾗﾀﾊﾞｾﾝ
23	0CW4S19049000	AD	DJ		C	SCREW STEPPED	ﾀﾞﾝﾋﾞｽ
24	0CW4A17479000	AD	DJ		C	D-PLT-DRAWER	ﾄﾞﾛﾜDﾌﾟﾚｰﾄ
25	0CW4A17516000	AK	DX		C	D-BKT-DRAWER	ﾄﾞﾛﾜDﾌﾞﾗｹｯﾄ
26	0CW4A17199000	AE	DJ		C	MOTOR SENSOR PLATE	ﾓｰﾀｰｾﾝｻｰﾌﾟﾚｰﾄ
28	0CW4A17229000	AL	EB		C	GEAR 1 SHAFT	ｷﾞｱｼｬﾌﾄ
29	0CW4A17231000	AL	EB		C	GEAR 2 SHAFT	ｷﾞｱｼｬﾌﾄ
30	0CW4A17198000	AQ	EQ		C	DRIVE GEAR BRACKET ASSY'	駆動ｷﾞｱﾌﾞﾗｹｯﾄ
501	0CWXD32200142	AC	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾞﾝ
502	0CWXD32300182	AC	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾞﾝ
503	0CWXD32200122	AC	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾞﾝ

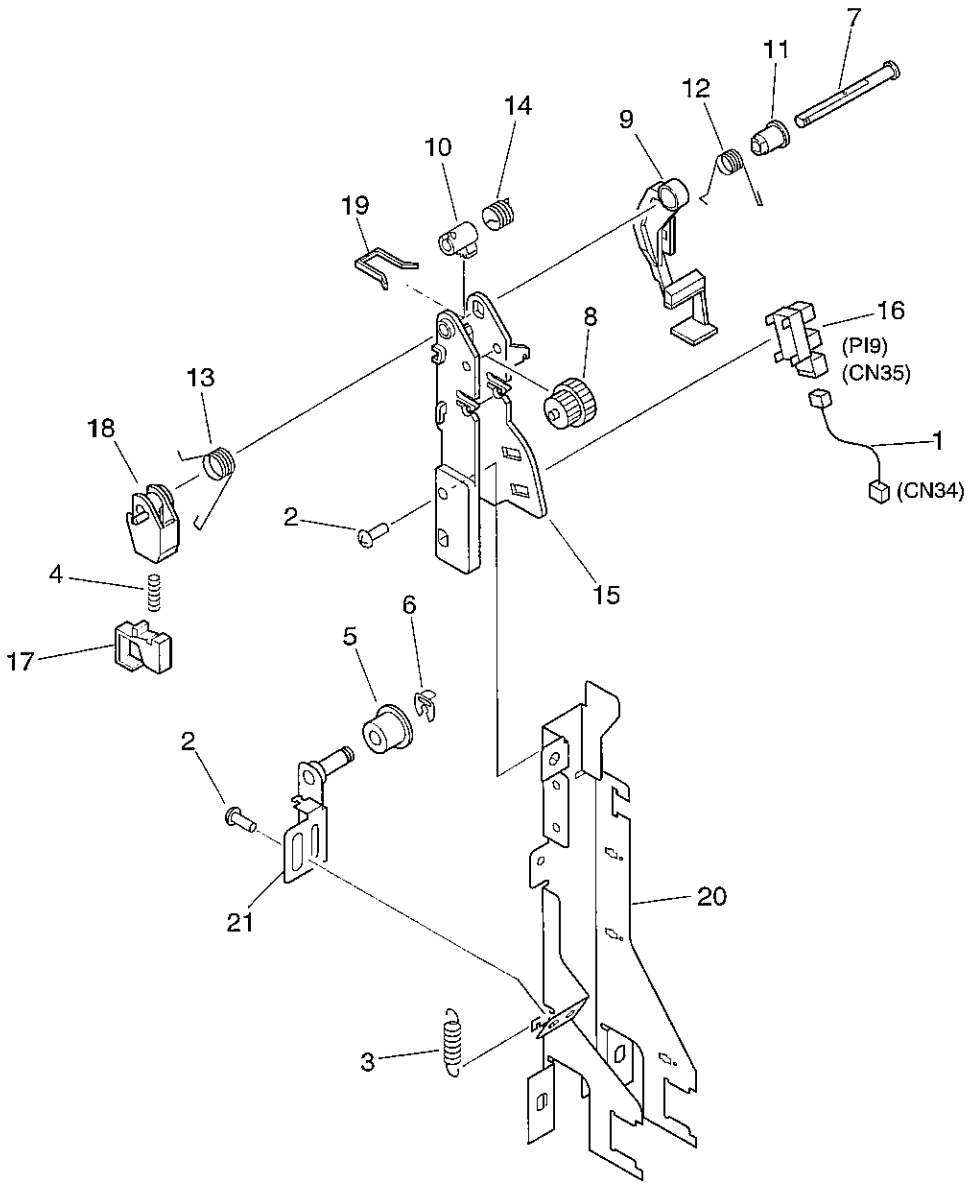
8 駆動部 (Drive Assembly)



9 束線押えカバー部 (Bundle Support Cover Assembly)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4H16454000	AE	DS		C	CABLE SENSOR	ｾﾝｻｰﾀﾊﾞｾﾝ
2	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ﾋﾞｽ
3	0CW4A17416000	AD	DJ		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
4	0CW4A17420000	AC	DJ		C	SPRING COMPRESSION	ｱｯｼｭｸﾊﾞﾈ
5	0CW4A17371000	AC	DJ		C	ROLLER TENSIONER	ﾃﾝｼｮﾅｺﾛ
6	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
7	0CW4A17240000	AM	EG		C	SHAFT SUPPORT	ｵｻｴｼﾞｸ
8	0CW4A17289000	AF	DS		C	GEAR(20T/28T)	ｷﾞｱ
9	0CW4A17292000	AE	DJ		C	FLAG PAPER SENSOR	ｼﾒﾝｹﾝﾁﾌﾗｸﾞ
10	0CW4A17325000	AE	DS		C	GEAR(5T)	ｷﾞｱ
11	0CW4A17367000	AD	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
12	0CW4A17421000	AE	DJ		C	SPRING TENSION	ﾈｼﾞﾘﾊﾞﾈ
13	0CW4A17422000	AE	DS		C	SPRING TENSION	ﾈｼﾞﾘﾊﾞﾈ
14	0CW4A17423000	AE	DS		C	SPRING TENSION	ﾈｼﾞﾘﾊﾞﾈ
15	0CW4A17526000	AF	DS		C	HOLDER SENSOR	ｾﾝｻﾎﾙﾀﾞ
16	0CWWG85362000	AH	DX		B	IC(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
17	0CW4116P492//	AL	EB	N	C	PAPER HOLDER	束押さえ
18	0CW4A17327000	AD	DJ		C	HOLDER PAPER SUPPORT	ｿｳｼｶﾞｲﾄﾞ ﾎﾙﾀﾞ
19	0CW4A17467000	AF	DS		C	GEAR-HOLDING SPRING	ｷﾞｱ固定ｽﾌﾟﾘﾝｸﾞ
20	0CW4A18951000	AG	DX		C	JOINT-SWITCH HOLDER	ｼﾞｮｲﾝﾄｽｲｯﾁﾎﾙﾀﾞｰ
21	0CW4F11566000	AG	DX	N	C	TENSION SUPPORT PLATE	ﾃﾝｼｮﾝｺﾛ支板

9 束線押えカバー部 (Bundle Support Cover Assembly)



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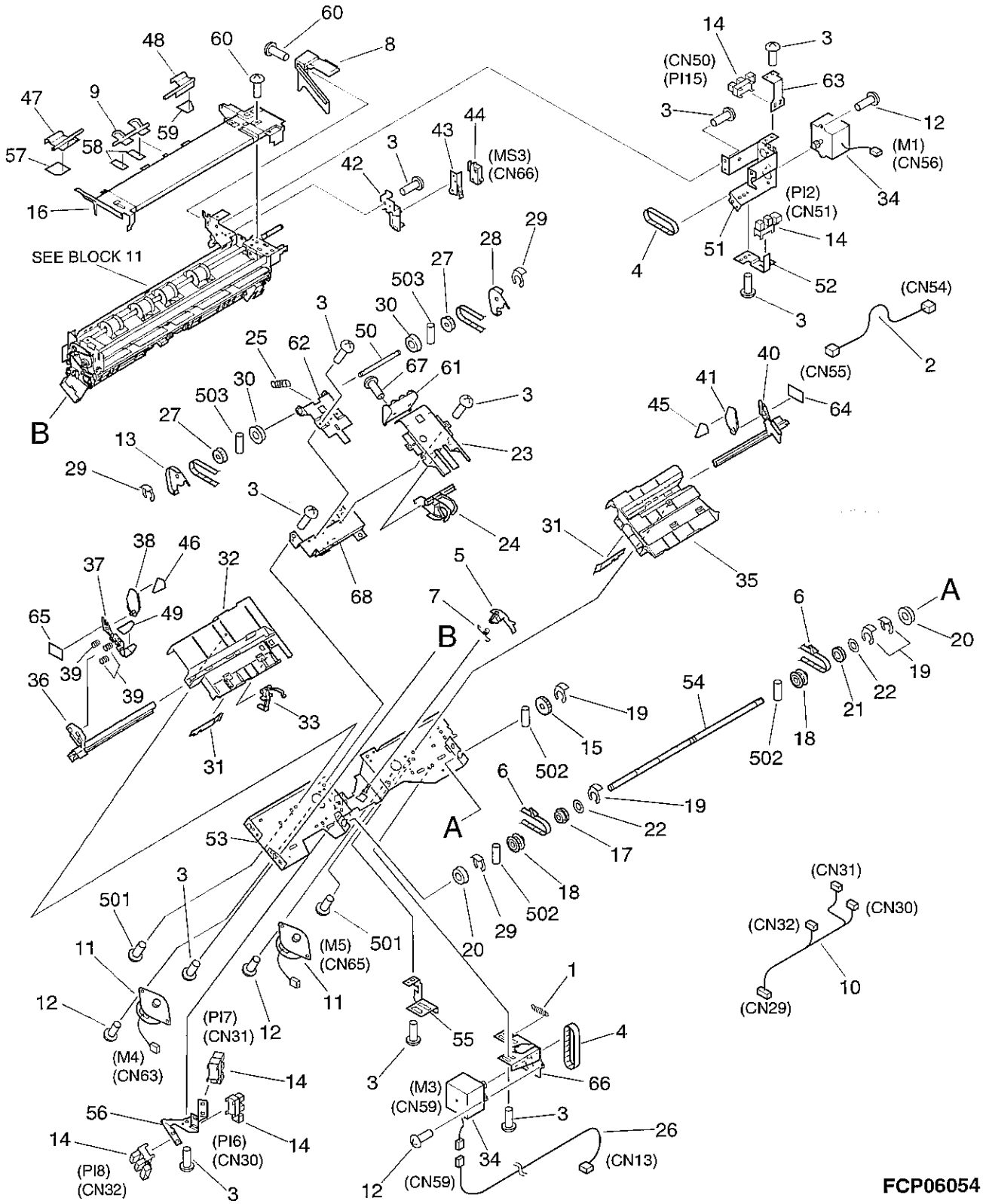
10 処理部 (Dispose Assembly)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4A17390000	AD	DJ		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
2	0CW4H16454000	AE	DS		C	CABLE SENSOR	ｾﾝｻｰﾀﾊﾞｾﾝ
3	0CWFC22120000	AC	DJ		C	SCREW(M4x7)	ﾋﾞｽ
4	0CWXF21606140	AL	EB		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
5	0CW4A17328000	AD	DJ		C	LEVER BELT SENSOR	ﾍﾞﾙﾄｾﾝｻﾚﾊﾞｰ
6	0CW4A17383000	AY	FQ		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
7	0CW4A17392000	AE	DS		C	SPRING TENSION	ﾈｼﾞﾘﾊﾞﾈ
8	0CW4A18862010	AG	DS		D	COVER DISPOSE	ｼｮﾘｶﾊﾞｰ
9	0CW4B10086000	AL	EB	N	C	WEIGHT FLAPPER INSIDE	排紙ｳｪｲﾄ(ﾅｶ)
10	0CW4H16455000	AK	EB		C	CABLE TRAY	ﾄﾚｲﾀﾊﾞｾﾝ
11	0CW4K11067000	BA	FX		B	MOTOR STEPPIG	ｽﾃｯﾋﾟﾝｸﾞﾓｰﾀ
12	0CWFC25034000	AB	DJ		C	SCREW W/WASHER(M3x6)	ﾊﾞﾈﾜｯｼｬﾍﾞﾋﾞｽ
13	0CW4A18889000	AD	DJ		C	GUIDE TRAY FRONT	ﾄﾚｲｶﾞｲﾄﾞ(ｳｼﾛ)
14	0CWWG85362000	AH	DX		B	IC(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
15	0CW4A17273000	AD	DJ		C	GEAR(30T)	ｷﾞｱ
16	0CW4A17519000	AR	EQ		D	COVER DISPOSE SUB	ｼｮﾘｻﾌﾞｶﾊﾞｰ
17	0CW4A17368000	AP	EQ		C	PULLEY(22T)	ﾌﾟｰﾘ
18	0CW4A17381000	AS	EQ		C	ROLLER BUNDLE LOWER	ﾀﾊﾞﾀﾞｼﾛｰﾗ(ｼﾀ)
19	0CW4A17567000	AD	DJ		C	CLIP SHAFT	ｼﾞｸｸﾘｯﾌﾟ
20	0CW4A17572000	AE	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
21	0CW4A18319000	AD	DJ		C	PULLEY(22T)	ﾌﾟｰﾘ
22	0CW4A18334000	AC	DJ		C	FLANGE	ﾌﾗﾝｼﾞ
23	0CW4B10138000	AU	EZ		C	SUPPORT SENSOR FLAG	ｾﾝｻ ﾌﾗｸﾞｼﾊﾞﾝ
24	0CW4A17329000	AE	DS		C	FLAG SENSOR	ｾﾝｻﾌﾗｸﾞ
25	0CW4A17402000	AC	DJ		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
26	0CW4H16464000	AN	EQ		C	CABLE EJECT MOTOR	ｲｼﾞｪｸﾄ ﾓｰﾀﾀﾊﾞｾﾝ
27	0CW4A17275000	AD	DJ		C	PULLEY(22T)	ﾌﾟｰﾘ
28	0CW4A17588000	AD	DJ		C	GUIDE TRAY REAR	ﾄﾚｲ ｶﾞｲﾄﾞ(ﾏｴ)
29	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
30	0CWFS21672000	AD	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
31	0CW4A17209000	AC	DJ		C	SPRING LEAF	ｲﾀﾊﾞﾈ
32	0CW4A18873000	AQ	EQ		C	GUIDE PAPER FEED FRONT	ﾂｳｼｼｶﾞｲﾄﾞ(ﾏｴ)
33	0CW4A17514000	AE	DS		C	FLAGBUNDLE ROLLER	ﾀﾊﾞﾛｰﾗﾌﾗｸﾞ
34	0CW4K11066000	BE	GN		B	MOTOR STEPPIG	ｽﾃｯﾋﾟﾝｸﾞﾓｰﾀ
35	0CW4A18875000	AP	EQ		C	GUIDE PAPER FEED REAR	ﾂｳｼｼｶﾞｲﾄﾞ(ｳｼﾛ)
36	0CW4A17314000	AH	DX		C	RACK ADJUSTMENT FRONT	ｾｲｺﾞｳﾗｯｸ(ﾏｴ)
37	0CW4A18877000	AF	DS		D	COVER ADJUSTMENTRACK FRONT	ｾｲｺﾞｳﾗｯｸｶﾊﾞｰ(ﾏｴ1)
38	0CW4A18878000	AF	DS		D	COVER ADJUSTMENTRACK FRONT	ｾｲｺﾞｳﾗｯｸｶﾊﾞｰ(ﾏｴ2)
39	0CW4A17391000	AC	DJ		C	SPRING COMPRESSION	ｱｯｼｭｸﾊﾞﾈ
40	0CW4A17319000	AL	EB		C	RACK ADJUSTMENT REAR	ｾｲｺﾞｳﾗｯｸ(ｳｼﾛ)
41	0CW4A18880000	AF	DS		D	COVER ADJUSTMENTRACK REAR	ｾｲｺﾞｳﾗｯｸｶﾊﾞｰ(ｳｼﾛ)
42	0CW4A17212000	AE	DS		C	HOLDER MICROSWITCH	ﾏｲｸﾛｽｲｯﾁﾎﾙﾀﾞｰ
43	0CW4A17575010	AE	DS		D	COVER MICROSWITCH	ﾏｲｸﾛｽｲｯﾁｶﾊﾞｰ
44	0CW4H16449010	AM	EG		B	MICROSWITCH	ﾏｲｸﾛｽｲｯﾁ
45	0CW4B10779000	AF	DS		C	ADJUSTMENT-PLATE MYLAR REAR	ｾｲｺﾞｳﾌﾟﾚｰﾄﾏｲﾗｰ(ｳｼﾛ)
46	0CW4B10778000	AF	DS		C	ADJUSTMENT-PLATE MYLAR FRONT	ｾｲｺﾞｳﾌﾟﾚｰﾄﾏｲﾗｰ(ﾏｴ)
47	0CW4B10085000	AK	EB	N	C	WEIGHT FLAPPER FRONT	排紙ｳｪｲﾄ(ﾏｴ)
48	0CW4B10087000	AK	EB	N	C	WEIGHT FLAPPER REAR	排紙ｳｪｲﾄ(ｳｼﾛ)
49	0CW4B10776000	AF	DS		C	ADJUSTMENT-RACK MYLAR	ｾｲｺﾞｳﾗｯｸﾏｲﾗｰ
50	0CW4A17239000	AK	DX		C	PAWL BRACKET SHAFT	ﾎﾞｰﾙﾌﾞﾗｹｯﾄｼﾞｸ
51	0CW4A17486000	AM	EG		C	MOTOR BRACKET	ﾓｰﾀﾌﾞﾗｹｯﾄ
52	0CW4A17191000	AF	DS		C	SENSOR BRACKET	ｾﾝｻｰﾌﾞﾗｹｯﾄ
53	0CW4F11564000	AW	FG		C	ADJUSTMENT BASE ASSY'	ｾｲｺﾞｳﾍﾞｰｽ
54	0CW4A17236000	AS	EQ		C	TB ROLLER SHAFT LOWER	ｼﾀ TB ﾛｰﾗｰｼｬﾌﾄ
55	0CW4A17487000	AF	DS		C	P-LOCK BRACKET	P-ﾛｯｸﾌﾞﾗｹｯﾄ
56	0CW4A17193000	AG	DS		C	SIG SENSOR BRACKET	SIG ｾﾝｻｰﾌﾞﾗｹｯﾄ
57	0CW4B10156000	AE	DJ	N	C	WEIGHT FLAPPER SHEET FRONT	排紙ｳｪｲﾄﾏｲﾗｰ(ﾏｴ)
58	0CW4B10144000	AE	DJ	N	C	WEIGHT FLAPPER SHEET INSIDE	排紙ｳｪｲﾄﾏｲﾗｰ(ﾅｶ)
59	0CW4B10082000	AF	DS	N	C	WEIGHT FLAPPER SHEET REAR	排紙ｳｪｲﾄﾏｲﾗｰ(ｳｼﾛ)
60	0CWXB12400606	AB	DJ		C	SCREW(M4x7)	ﾋﾞｽ
61	0CW4B10139000	AE	DS		C	GUIDE RIB(Except JAPAN)	ｶﾞｲﾄﾞﾘﾌﾞ
62	0CW4A17196000	AH	DX	N	C	PULLEY SHAFT SUPPORT PLATE	ﾌﾟｰﾘ軸支板
63	0CW4A17266000	AE	DS	N	C	SENSOR SUPPORT PLATE	ｾﾝｻｰ支板
64	0CW4116P301A/	AG	DX	N	C	GUIDE SHEET REAR	ｶﾞｲﾄﾞﾏｲﾗｰ後
65	0CW4116P300A/	AG	DX	N	C	GUIDE SHEET FRONT	ｶﾞｲﾄﾞﾏｲﾗｰ前
66	0CW4A17185000	AL	EB	N	C	MOTOR SUPPORT PLATE	ﾓｰﾀ支板台
67	0CWXB12400607	AB	DJ		C	SCREW(M4x6)	ﾋﾞｽ
68	0CW4A17483000	AL	EB	N	C	STAY	整合ｽﾃｰ
501	0CWXB47401007	AB	DJ		C	SCREW TAPPING(M4x10)	ﾀｯﾋﾟﾝ ﾋﾞｽ
502	0CWXD32200122	AC	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾟﾝ
503	0CWXD32200102	AC	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾟﾝ

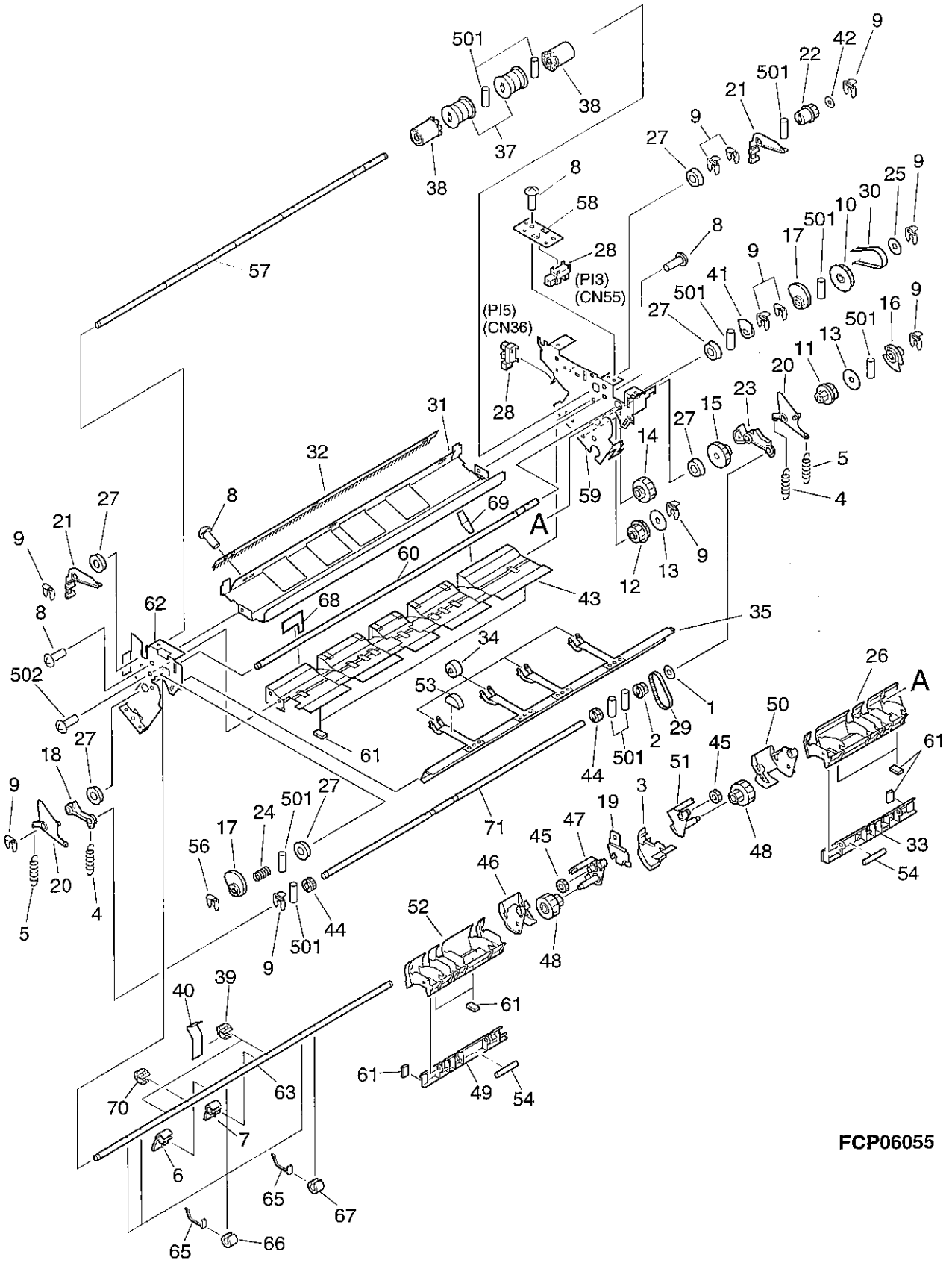
10 処理部 (Dispose Assembly)



11 搬送部 (Paper Feeder Assembly)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4A17278000	AC	DJ		C	FLANGE	フランジ
2	0CW4A17281000	AD	DJ		C	PULLEY(20T)	プーリ
3	0CW4A17337000	AE	DS		C	GUIDE PAPER AUXILIARY	ツウシホジョガイド
4	0CW4A17380000	AD	DJ		C	SPRING TENSION	ヒッパリバネ
5	0CW4A17401000	AD	DJ		C	SPRING TENSION	ヒッパリバネ
6	0CW4A17529000	AD	DJ		C	CLAW FRONT	ツメ(マエ)
7	0CW4A17538000	AD	DJ		C	CLAW REAR	ツメ(ウシロ)
8	0CWFC22120000	AC	DJ		C	SCREW(M4x7)	ビス
9	0CWFC25827000	AE	DJ		C	CLIP	クリップ
10	0CW4A17271000	AP	EQ		C	PULLEY(40T)	プーリ
11	0CW4A17272000	AN	EQ		C	PULLEY(18T/29T)	プーリ
12	0CW4A17274000	AD	DJ		C	GEAR(20T/32T)	ギア
13	0CW4A17276000	AC	DJ		C	FLANGE	フランジ
14	0CW4A17279000	AD	DJ		C	GEAR(20T)	ギア
15	0CW4A17280000	AD	DJ		C	GEAR(30T/20T)	ギア
16	0CW4A17330000	AD	DJ		C	FLAG SENSOR	センサフラグ
17	0CW4A17331000	AD	DJ		C	CAM	カム
18	0CW4A17332000	AC	DJ		C	ARM LINK 1	リンクアーム(1)
19	0CW4A17346000	AC	DJ		C	SUPPORT PADDLE SHAFT	パドルジクダイ
20	0CW4A17347000	AD	DJ		C	ARM LINK 2	リンク アーム(2)
21	0CW4A17348000	AD	DJ		C	ARM LINK 3	リンク アーム(3)
22	0CW4A17351000	AD	DJ		C	PULLEY(24T)	プーリ
23	0CW4A17366000	AE	DJ		C	ARM LINK 4	リンクアーム(4)
24	0CW4A18321000	AC	DJ		C	SPRING COMPRESSION	アッシュクバネ
25	0CW4A17339000	AC	DJ		C	FLANGE	フランジ
26	0CW4A17372000	AH	DX		C	GUIDE SAGTY REAR 1	セーフティガイド(ウシロ1)
27	0CWFS21672000	AD	DJ		C	BUSHING	ブッシング
28	0CWWG85362000	AH	DX		B	IC(TLP1241)	フォトインタラプタ
29	0CWXF21604940	AL	EB		B	BELT TIMING	タイミングベルト
30	0CWXF21607640	AN	EG		B	BELT TIMING	タイミングベルト
31	0CW4A17194000	AR	EQ		C	GUIDE PAPER OUTLET UPPER	カミデグチガイド(ウエ)
32	0CW4A17427000	AT	EZ		B	ELIMINATOR STATIC CHARGE	ジョデンシン
33	0CW4A17343000	AF	DS		C	GUIDE SAGTY REAR 2	セーフティガイド(ウシロ2)
34	0CW4A17406000	AH	DX		C	ROLLER PAPER OUTLET	カミデグチコロ
35	0CW4113P643B/	AR	EQ	N	C	ROLLER PAPER OUTLET ROLLER	排紙コロ板バネ
37	0CW4A17531000	AK	DX		C	ROLLER PAPER OUTLET 1	カミデグチローラ(1)
38	0CW4116P759//	AN	EG	N	C	ROLLER PAPER OUTLET 2	排紙ローラー(2)
39	0CW4A17352000	AC	DJ		C	HOLDER PADDLE ROLLER 1	パドルローラホルダー(1)
40	0CW4A18888000	AN	EG		C	ROLLER PADDLE 1	パドル ローラ(1)
41	0CW4A17513000	AD	DJ		C	CAM SENSOR FLAG	センサフラグカム
42	0CW4A17585000	AE	DJ		C	FLANGE	フランジ
43	0CW4A17333000	AN	EG		C	GUIDE PAPER LOWER	カミガイド(シタ)
44	0CW4A17283000	AC	DJ		C	GEAR(14T)	ギア
45	0CW4A17282000	AC	DJ		C	GEAR(14T)	ギア
46	0CW4A17286000	AE	DS		C	HOLDER ROLLER FRONT 1	ローラシブロック(マエ1)
47	0CW4A17345000	AE	DJ		C	HOLDER ROLLER FRONT 2	ローラシブロック(マエ2)
48	0CW4A17379000	AS	EQ		C	ROLLER BUNDLE UPPER	タバローラ(ウエ)
49	0CW4B10396000	AF	DS		C	GUIDE SAFTY FRONT 2	セーフティガイド(マエ2)
50	0CW4A17285000	AE	DS		C	HOLDER ROLLER REAR 1	ローラシブロック(ウシロ1)
51	0CW4A17344000	AE	DJ		C	HOLDER ROLLER REAR 2	ローラシブロック(ウシロ2)
52	0CW4A17341000	AH	DX		C	GUIDE SAFTY FRONT 1	セーフティガイド
53	0CW4B10846000	AD	DJ		C	JUMP STOCK	ジャンプストック
54	0CW4B10398000	AE	DJ		C	WEIGHT	オモリ
56	0CW4B10591000	AF	DS		C	WASHER	ワッシャー
57	0CW4A17235000	AR	EQ		C	EXIT ROLLER SHAFT	シュッシローラージク
58	0CW4A17192000	AE	DS		C	CAM SENSOR BRACKET	カムセンサーブラケット
59	0CW4F11565000	AP	EQ		C	TRANSFER FRAME R	ハンソウフレーム(ウシロ)
60	0CW4A17234000	AR	EQ		C	CAM SHAFT	カムシャフト
61	0CW4A18320000	AC	DJ		C	SR-PAD	SRパッド
62	0CW4A17202000	AK	DX		C	TRANSFER FRAME F	ハンソウフレーム(マエ)
63	0CW4116P1418/	AW	FG	N	C	PDL SHAFT	パドルシャフト
65	0CW4B10140000	AN	EQ	N	C	PDL SMALLNESS	パドル小
66	0CW4B10149000	AD	DJ	N	C	PDL SMALLNESS HOLDER	パドル小ホルダー
67	0CW4B10111000	AE	DS	N	C	PDL SMALLNESS HOLDER REAR	パドル小ホルダー(ウシロ)
68	0CW4113P413//	AD	DJ	N	C	GUIDE SHEET FRONT	排紙ガイドマイラー(マエ)
69	0CW4113P414//	AD	DJ	N	C	GUIDE SHEET REAR	排紙ガイドマイラー(ウシロ)
70	0CW4110P362A/	AD	DJ		C	HOLDER PADDLE ROLLER	パドルローラホルダー
71	0CW4A17238000	AR	EQ	N	C	ROLLER SHAFT UPPER	ローラ軸 (上)
501	0CWXD32200102	AC	DJ		C	PIN DOWEL	ヘイコウピン
502	0CWXB47401007	AB	DJ		C	SCREW TAPPING(M4x10)	タッピン ビス

11 搬送部 (Paper Feeder Assembly)



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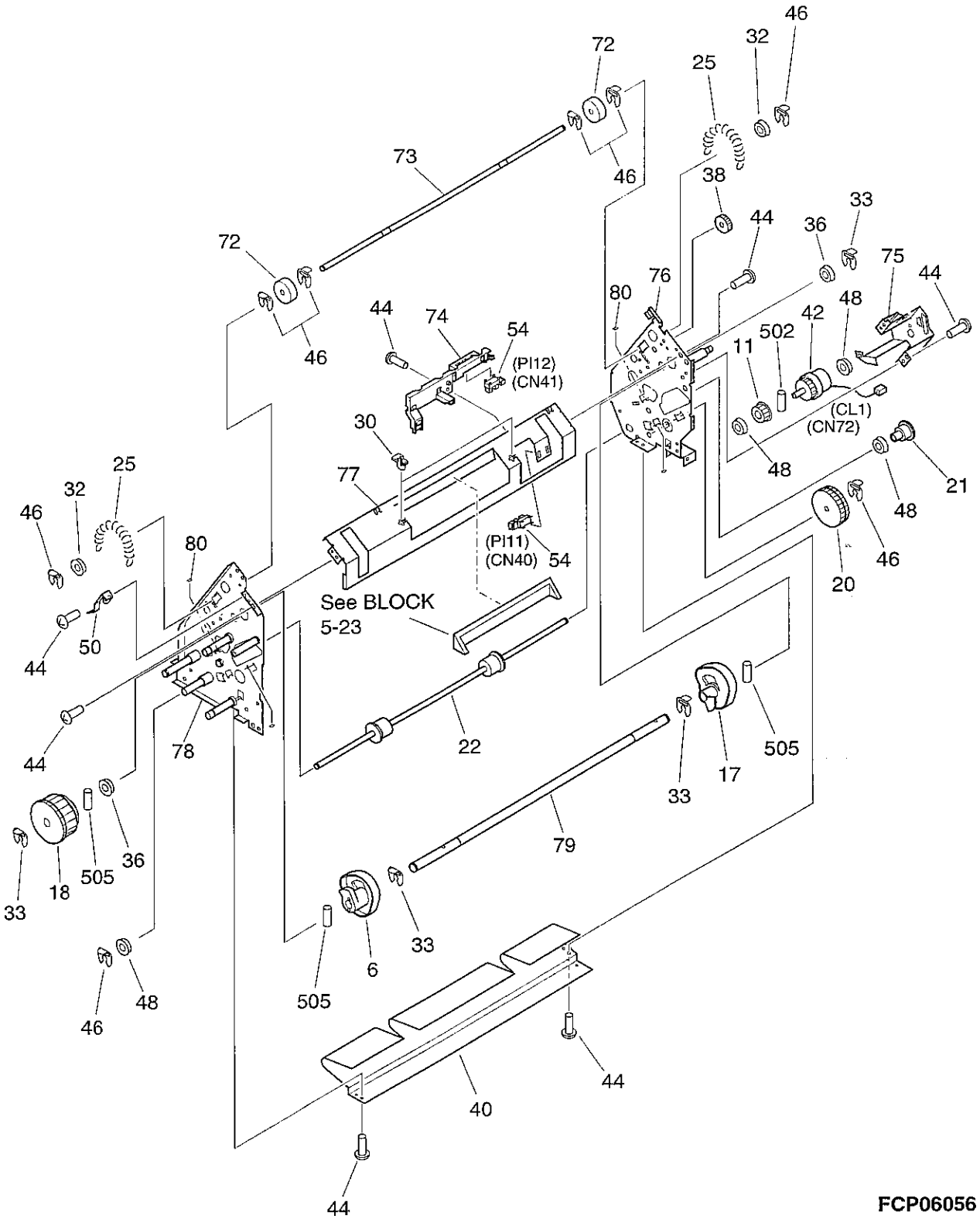
12 折り部 1/3 (Fold Assembly 1/3)

NO.	PARTS CODE	PRICE RANK		NEW MARK	PART RANK	DESCRIPTION	
		Ex.	Ja.				
6	0CW4A17299000	AG	DX		C	CAM SADDLE FRONT	ｻﾄﾞﾙ ｶﾑ(ﾏｴ)
11	0CW4A17357000	AD	DJ		C	PULLEY(27T)	ﾌﾟｰﾘ
17	0CW4A17363000	AH	DX		C	CAM SADDLE REAR	ｻﾄﾞﾙｶﾑ(ｳｼﾛ)
18	0CW4A17364000	AL	EB		C	GEAR(24T)	ｷﾞｱ
20	0CW4A17376000	AF	DS		C	GEAR(16T/42T)	ｷﾞｱ
21	0CW4A17377000	AD	DJ		C	GEAR(21T)	ｷﾞｱ
22	0CW4A17385000	BN	HZ		C	ROLLER FOLD	ｵﾘﾛｰﾗ
25	0CW4A17388000	AE	DS		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
30	0CW4A17533000	AC	DJ		C	HOOK SPRING	ﾊﾞﾈﾌｯｸ
32	0CW4A17552000	AF	DS		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
33	0CW4A17566000	AD	DJ		C	CLIP SHAFT	ｼﾞｸｸﾘｯﾌﾟ
36	0CW4A17573000	AE	DS		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
38	0CW4A18330000	AD	DJ		C	GEAR(18T)	ｷﾞｱ
40	0CW4A18332000	AR	EQ		C	GUIDE PAPER DELIVERY LOWER	ﾊｲｼｶﾞｲﾄﾞ(ｼﾀ)
42	0CW4K14040000	BB	GD		B	CLUTCH ELECTROMAGNETIC	ﾃﾞﾝｼﾞｸﾗｯﾁ
44	0CWFC22120000	AC	DJ		C	SCREW(M4x7)	ﾋﾞｽ
46	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
48	0CWFS21672000	AD	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
50	0CW4A17476000	AC	DJ		C	SPRING LEF	ｲﾀﾊﾞﾈ
54	0CWWG85362000	AH	DX		B	IC(TLP1241)	ﾌｫﾄｲﾝﾀﾗﾌﾟﾀ
72	0CW4A17525000	AD	DJ		C	ROLLER	ｺﾛ
73	0CW4A17256000	AN	EG		C	ROLLER SHAFT	ﾛｰﾗｰｼﾞｸ
74	0CW4A17504000	AF	DS		C	HARNESS DACT	ﾊｰﾈｽﾀﾞｸﾄ
75	0CW4A17485000	AK	DX		C	TENSION BRACKET	ﾃﾝｼｮﾝﾌﾞﾗｹｯﾄ
76	0CW4F11567010	AS	EQ		C	FRAME R	ﾌﾚｰﾑ(ｳｼﾛ)
77	0CW4A17477000	AN	EQ		C	TOP BRACKET	ﾄｯﾌﾟﾌﾞﾗｹｯﾄ
78	0CW4F11568010	AY	FQ		C	FRAME F	ﾌﾚｰﾑ(ﾏｴ)
79	0CW4A17227000	AT	EZ		C	CAM SHAFT	ｶﾑｼｬﾌﾄ
80	0CW4A18323000	AC	DJ	N	C	GUIDE PAD	ｶﾞｲﾄﾞﾊﾟｯﾄﾞ
502	0CWXD32200102	AC	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾟﾝ
505	0CWXD32300162	AC	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾟﾝ

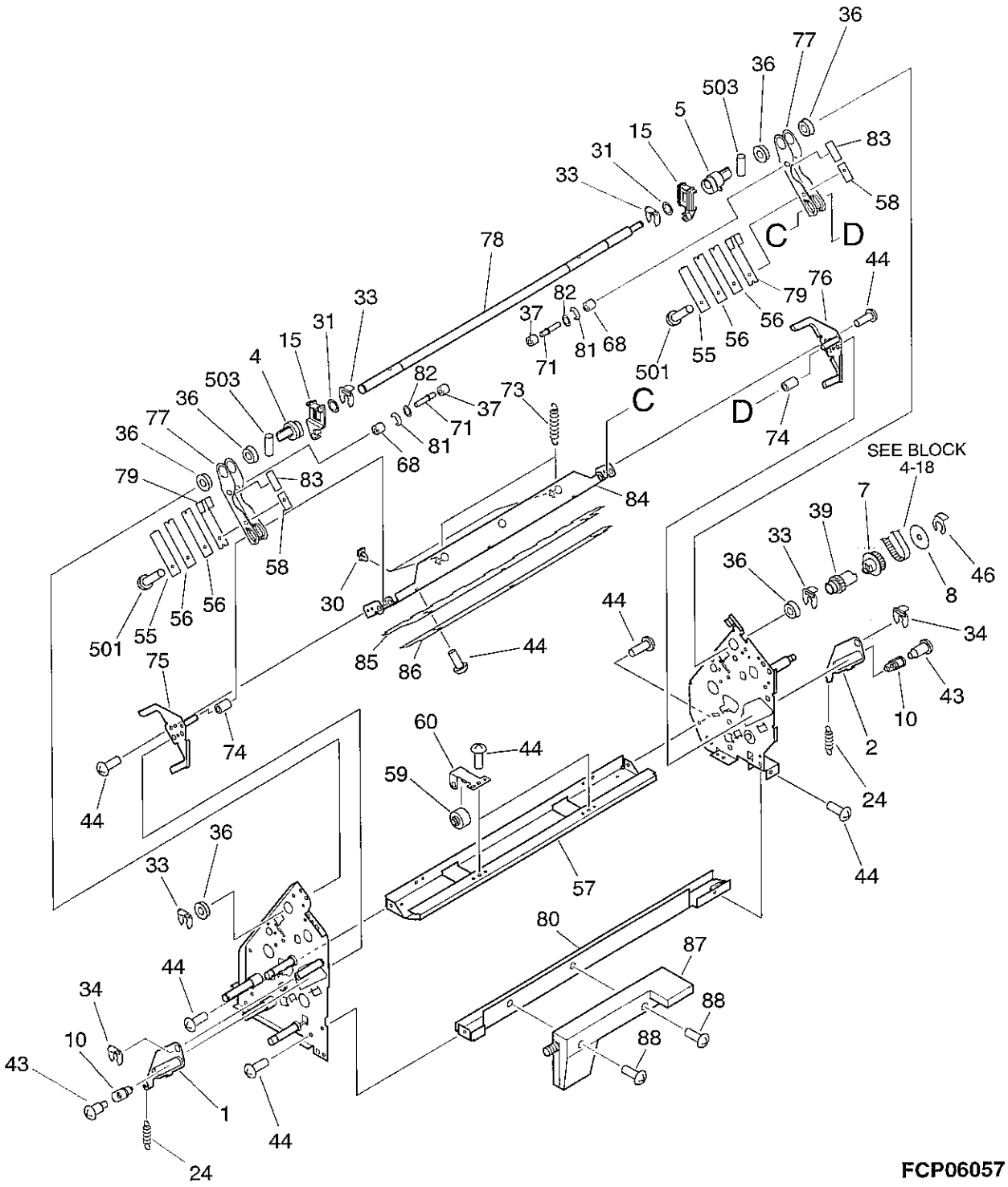
12 折り部 1/3 (Fold Assembly 1/3)



13 折り部 2/3 (Fold Assembly 2/3)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4A17177000	AG	DS		C	GUIDE SWING FRONT	ヨウド゛ウガ゛イド゛（マエ）
2	0CW4A17178000	AG	DS		C	GUIDE SWING REAR	ヨウド゛ウガ゛イド゛（ウシロ）
4	0CW4A17295000	AD	DJ		C	CAM FRONT	カム（マエ）
5	0CW4A17296000	AD	DJ		C	CAM REAR	カム（ウシロ）
7	0CW4A17335000	AN	EG		C	PULLEY(36T)	プ゛ーリ
8	0CW4A17339000	AC	DJ		C	FLANGE	フランジ゛
10	0CW4A17350000	AC	DJ		C	PIN SADDLE SLIDER	サド゛ルスライダ゛
15	0CW4A17361000	AD	DJ		C	HOLDER ROLLER	ローラホルダ゛
24	0CW4A17387000	AD	DJ		C	SPRING TENSION	ヒッパ゛リバ゛ネ
30	0CW4A17533000	AC	DJ		C	HOOK SPRING	バ゛ネフック
31	0CW4A17551000	AD	DJ		C	WASHER	ワッシャ
33	0CW4A17566000	AD	DJ		C	CLIP SHAFT	シ゛ククリップ゛
34	0CW4A17567000	AD	DJ		C	CLIP SHAFT	シ゛ククリップ゛
36	0CW4A17573000	AE	DS		C	BUSHING	フ゛ッシング゛
37	0CW4A18329000	AC	DJ		C	ROLLER LINK	リンク コロ
39	0CW4A18331000	AD	DJ		C	GEAR(17T)	ギ゛ア
43	0CW4S19048000	AC	DJ		C	SCREW STEPPED	ダ゛ンピ゛ス
44	0CWFC22120000	AC	DJ		C	SCREW(M4×7)	ピ゛ス
46	0CWFC25827000	AE	DJ		C	CLIP	クリップ゛
55	0CW4A18327000	AL	EB		C	SPRING LEAF	イタバ゛ネ
56	0CW4A18326000	AK	DX		C	SPRING LEAF	イタバ゛ネ
57	0CW4A17480000	AP	EQ		C	GUIDE DELIVERY PAPER	ハイシガ゛イド゛
58	0CW4A18324000	AE	DS		C	PLATE REINFORCEMENT	ホキョウバ゛ン
59	0CW4A17322000	AD	DJ		C	ROLLER FOLD	オリローラ
60	0CW4A17481000	AE	DS		C	HOLDER DELIVERY ROLLER	ハイシコロ ホルダ゛ー
68	0CW4A17297000	AC	DJ		C	ROLLER LINK	リンクコロ
71	0CW4A17228010	AC	DJ		C	SHAFT LINK	リンクシ゛ク
73	0CW4A17546000	AD	DJ		C	SPRING TENSION	ヒッパ゛リバ゛ネ
74	0CW4A17298000	AF	DS		C	ROLLER SADDLE	サド゛ルコロ
75	0CW4F11569000	AK	DX		C	PLATE OPENER FRONT	オープ゛ナバ゛ン（ウシロ）
76	0CW4F11570000	AK	DX		C	PLATE OPENER REAR	オープ゛ナバ゛ン（マエ）
77	0CW4A17181000	AG	DX		C	LINK COVER	カバ゛ーリンク
78	0CW4A17242000	AU	FG		C	F-IN CAM SHAFT	F-IN カムシ゛ク
79	0CW4A18325000	AN	EG		C	BASE SPRING PLATE	イタバ゛ネ
80	0CW4A17203010	AL	EB		C	BASE BRACKET	ベ゛ースブ゛ラケット
81	0CWXD21100402	AC	DJ		C	E-RING	E リング゛
82	0CWHW050FZS00	AB	DJ		C	WASHER	ワッシャー
83	0CW4A18328000	AC	DJ	N	C	PAD LINK	リンクパ゛ッド゛
84	0CW4A17180000	AN	EG	N	C	SADDLE COVER	サド゛ルカバ゛ー
85	0CW4A17179000	AV	FG	N	C	SADDLE PLATE	サド゛ル板
86	0CW4A17188000	AF	DS	N	C	SADDLE PLATE (SUB)	サド゛ル板（サブ゛）
87	0CW4113K158A／	AS	EQ	N	C	LEVER ASSY'	レバ゛ー Assy'
88	0CW030060FZBi	AA	DD	N	C	SCREW(3×6)	ピ゛ス
501	0CWXB12401005	AB	DJ		C	SCREW(M4×10)	ピ゛ス
503	0CWXD32200142	AC	DJ		C	PIN DOWEL	ヘイコウピ゛ン

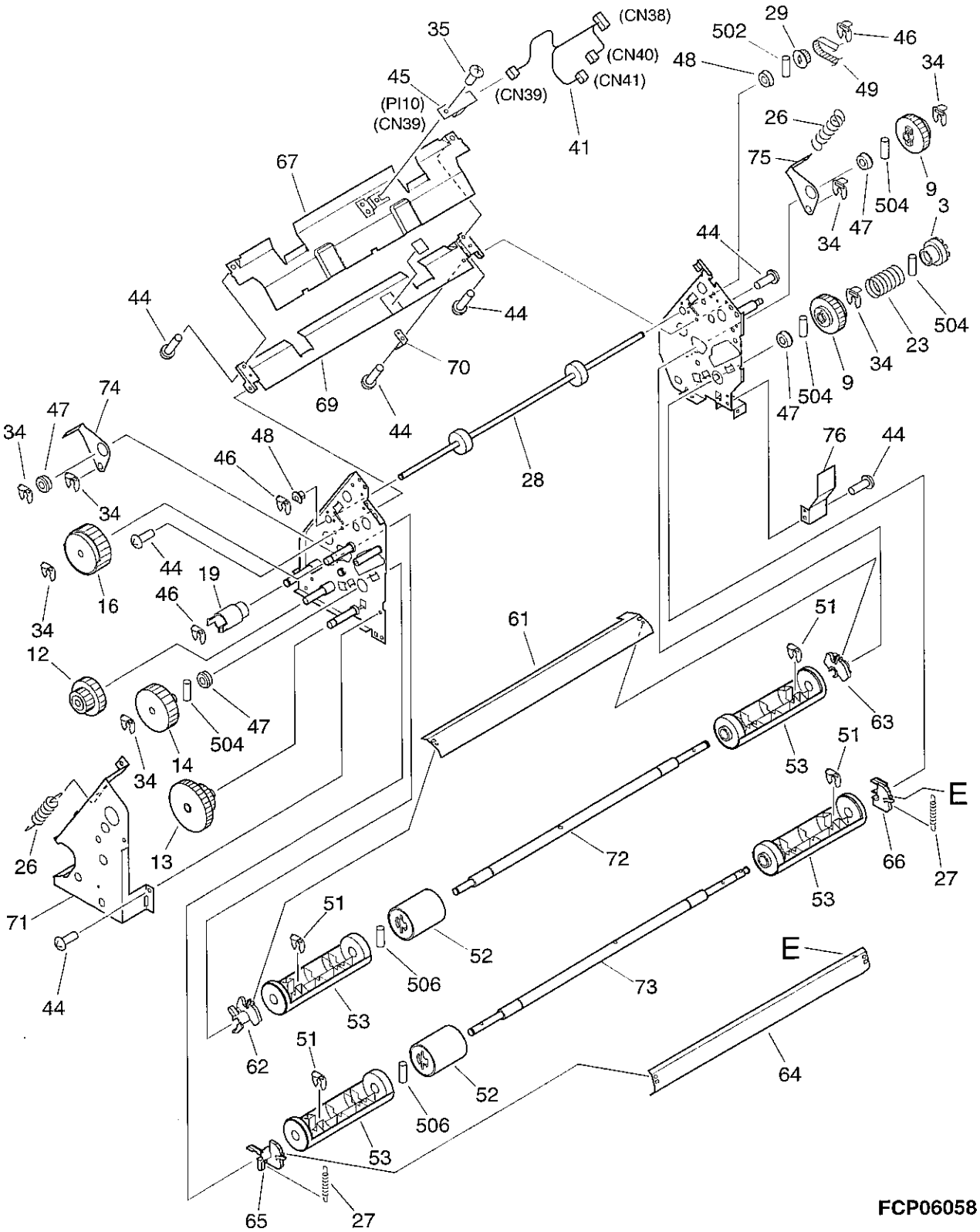
13 折り部 2/3 (Fold Assembly 2/3)



14 折り部 3/3 (Fold Assembly 3/3)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
3	0CW4A17290000	AE	DS		C	GEAR(8T)	ｷﾞｱ
9	0CW4A17340000	AG	DX		C	GEAR(16T)	ｷﾞｱ
12	0CW4A17358000	AP	EQ		C	GEAR(16T/41T)	ｷﾞｱ
13	0CW4A17359000	AK	DX		C	GEAR(15T/38T)	ｷﾞｱ
14	0CW4A17360000	AK	DX		C	GEAR(24T)	ｷﾞｱ
16	0CW4A17362000	AL	EB		C	GEAR(24T)	ｷﾞｱ
19	0CW4A17365000	AF	DS		C	GEAR(16T)	ｷﾞｱ
23	0CW4A17386000	AE	DS		C	SPRING COMPRESSION	ｱｯｼｭｸﾊﾞﾈ
26	0CW4A17389000	AG	DX		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
27	0CW4A17403000	AE	DS		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
28	0CW4A17404000	AV	FG		C	ROLLER	ﾛｰﾗｰ
29	0CW4A17530000	AD	DJ		C	PULLEY(27T)	ﾌﾟｰﾘ
34	0CW4A17567000	AD	DJ		C	CLIP SHAFT	ｼﾞｸｸﾘｯﾌﾟ
35	0CWFC21175000	AC	DJ		C	SCREW	ﾋﾞｽ
41	0CW4H16456000	AN	EG		C	CABLE CONNECTING	ﾁｭｳｹｲﾀﾊﾞｾﾝ
44	0CWFC22120000	AC	DJ		C	SCREW(M4x7)	ﾋﾞｽ
45	0CW4H16450000	AT	EZ		E	LED PCB UNIT	LED ｶｲﾛ ｷﾊﾞﾝ
46	0CWFC25827000	AE	DJ		C	CLIP	ｸﾘｯﾌﾟ
47	0CWFS21615000	AS	EZ		C	BEARING BALL	ﾎﾞｰﾙﾍﾞｱﾘﾝｸﾞ
48	0CWFS21672000	AD	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
49	0CWXF21607240	AN	EG		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
51	0CW4A17536000	AC	DJ		C	CLIP SHAFT	ｼﾞｸｸﾘｯﾌﾟ
52	0CW4A17544000	AR	EQ		C	ROLLER FOLD	ｵﾘﾛｰﾗ
53	0CW4A17545000	AQ	EQ		C	ROLLER FOLD SUB	ｵﾘﾛｰﾗ(ｻﾌﾞ)
61	0CW4A17187000	AK	EB		C	GUIDE FOLD ROLLER 1	ｵﾘﾛｰﾗ ｶﾞｲﾄﾞ(1)
62	0CW4A17309000	AE	DJ		C	HOLDER GUIDE FRONT 1	ｶﾞｲﾄﾞﾎﾙﾀﾞ(ﾏｴ1)
63	0CW4A17310000	AE	DJ		C	HOLDER GUIDE REAR 1	ｶﾞｲﾄﾞﾎﾙﾀﾞ(ｳｼﾛ1)
64	0CW4A17186010	AL	EB		C	GUIDE FOLD ROLLER 2	ｵﾘﾛｰﾗ ｶﾞｲﾄﾞ(2)
65	0CW4A17311000	AE	DJ		C	HOLDER GUIDE FRONT 2	ｶﾞｲﾄﾞﾎﾙﾀﾞ(ﾏｴ2)
66	0CW4A17312000	AE	DJ		C	HOLDER GUIDE REAR 2	ｶﾞｲﾄﾞﾎﾙﾀﾞ(ｳｼﾛ2)
67	0CW4A17207000	AR	EQ		C	GUIDE PAPER UPPER	ﾂｳｼｶﾞｲﾄﾞ(ｳｴ)
69	0CW4A17204000	AM	EG		C	GUIDE PAPER FEED LOWER	ﾂｳｼｶﾞｲﾄﾞ(ｼﾀ)
70	0CW4A18322000	AC	DJ		C	SPRING LEAF GROUNDING	ｱｰｽﾊﾞﾈﾊﾞﾈ
71	0CW4A17470000	AP	EQ		C	SUB FRAME FRONT	ｻﾌﾞﾌﾚｰﾑ(ﾏｴ)
72	0CW4A17254000	AX	FQ		C	FOLD 1 SHAFT	ｵﾘﾌﾞｼﾞｸ1
73	0CW4A17255000	AY	FQ		C	FOLD 2 SHAFT	ｵﾘﾌﾞｼﾞｸ2
74	0CW4A17175000	AF	DS	N	C	ROLLER FOLD SUPPORT PLATE FRONT	ｵﾘﾛｰﾗ支持板(ﾏｴ)
75	0CW4A17176000	AF	DS	N	C	ROLLER FOLD SUPPORT PLATE REAR	ｵﾘﾛｰﾗ支持板(ｳｼﾛ)
76	0CW4A17492000	AF	DS	N	C	BANDAGE COVER	目隠しｶﾊﾞｰ
502	0CWXD32200102	AC	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾟﾝ
504	0CWXD32300142	AD	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾟﾝ
506	0CWXD32300182	AC	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾟﾝ

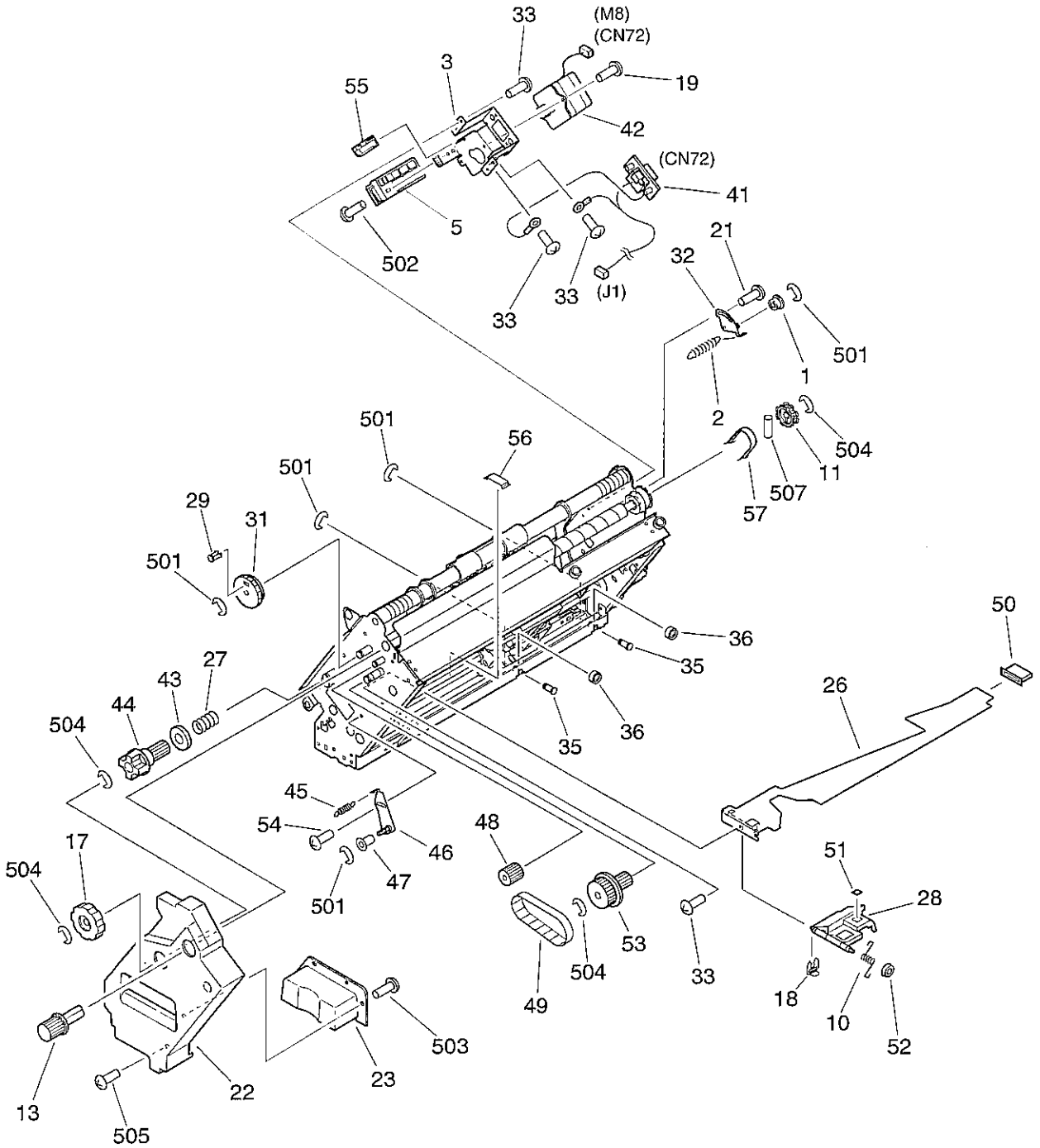
14 折り部 3/3 (Fold Assembly 3/3)



15 ｽﾃｲﾌﾟﾙ部 1/2 (Staple Assembly 1/2)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4A18206000	AD	DJ		C	ROLLER TEMMSION	ﾃﾝｼｮﾝﾛｰﾗ
2	0CW4A18207000	AN	EQ		C	SPRING TENSION	ﾋｯﾊﾟﾘﾊﾞﾈ
3	0CW4A18214000	AG	DX		D	COVER MOTOR	ﾓｰﾀｰｶﾊﾞｰ
5	0CW4A18217000	AE	DS		C	SUPPORT CAM STOPPER 1	ｶﾑ ｽﾄｯﾊﾟｰ 1
10	0CW4A17592000	AE	DJ		C	SPRING TORSION	ﾈｼﾞﾘﾊﾞﾈ
11	0CW4A18225000	AD	DJ		C	PULLEY(38T)	ﾌﾟｰﾘ
13	0CW4A18904000	AF	DS		C	KNOB STAPLE MOVABLE	ｽﾃｲﾌﾟﾙﾑｰﾌﾞﾉﾌﾞ
17	0CW4A18905000	AH	DX		C	KNOB JAM CLEANING	ｼﾞｬﾑｼｮﾘﾉﾌﾞ
18	0CWFC30661000	AC	DJ		C	CLIP	ｸﾘｯﾌﾟ
19	0CWFC15034000	AC	DJ		C	SCREW W/WASHER(M3x6)	ﾊﾞﾈﾂｷﾅﾍﾞｽ
21	0CW4S19076000	AC	DJ		C	SCREW(M3x8)	ﾋﾞｽ
22	0CW4A18238000	AR	EQ		D	PANEL FRONT	ﾏｴｶﾊﾞｰ
23	0CW4A18907000	AH	DX		D	COVER HANDLE	ﾄｯﾃｶﾊﾞｰ
26	0CW4A18240000	AQ	EQ		C	GUIDE PAPER	ｶﾐｶﾞｲﾄﾞ
27	0CW4B10743000	AE	DJ		C	SPRING COMPRESSION	ｱｯｼｭｸﾊﾞﾈ
28	0CW4A17581000	AF	DS		C	GUIDE PAPER SUB	ｶﾐｶﾞｲﾄﾞﾊﾞﾝｻﾌﾞ
29	0CW4A17584000	AD	DJ		C	PIN MARKER	ﾋｮｳｼﾞﾏｰｶﾋﾟﾝ
31	0CW4A17583000	AD	DJ		C	GEAR(42T)	ｷﾞｱ
32	0CW4F11679000	AF	DS		C	PLATE TENSIONER	ﾃﾝｼｮﾅｲﾀ
33	0CWFC30779000	AC	DJ		C	SCREW(M3x6)	ﾋﾞｽ
35	0CW4A18210000	AD	DJ		C	PIN SLIDE	ｽﾗｲﾄﾞﾋﾟﾝ
36	0CW4A18198000	AC	DJ		C	ROLLER	ｺﾛ
41	0CW4H16506000	AW	FG		C	CABLE STAPLE 2	ｽﾃｲﾌﾟﾗﾀﾊﾞｾﾝ 2
42	0CW4K11070000	BE	GN		B	MOTOR STEPPING	ｽﾃｯﾋﾟﾝｸﾞﾓｰﾀ
43	0CW4B10754000	AE	DJ		C	FLANGE	ﾌﾗﾝｼﾞ
44	0CW4B10744000	AE	DJ		C	PULLEY	ﾌﾟｰﾘｰ
45	0CW4S10280000	AE	DS		C	SPRING TENSION	ﾃﾝｼｮﾝﾊﾞﾈ
46	0CW4F12053000	AH	DX		C	PLATE STAPLE TENSIONER	ｽﾃｲﾌﾟﾙﾃﾝｼｮﾅ板
47	0CW4B10746000	AD	DJ		C	ROLLER TENSONER	ﾃﾝｼｮﾅﾛｰﾗ
48	0CW4A18232000	AF	DS		C	GEAR(18T/66T)	ｷﾞｱ
49	0CWXF21804070	AQ	EQ		B	BELT TIMING	ﾀｲﾐﾝｸﾞﾍﾞﾙﾄ
50	0CW4B10742000	AF	DS		C	GUIDE	ｶﾞｲﾄﾞ
51	0CW4A17590000	AC	DJ		C	PAD STAPLE GUIDE	ｽﾃｲﾌﾟﾙｶﾞｲﾄﾞﾊﾟｯﾄﾞ
52	0CWRA22452000	AC	DJ		C	BUSHING	ﾌﾞｯｼﾝｸﾞ
53	0CW4B10740000	AE	DS		C	GEAR(16/29T)	ｷﾞｱ
54	0CWFC22120000	AC	DJ		C	SCREW(M4x7)	ﾋﾞｽ
55	0CW4A18881000	AF	DS		C	BUNDLE-WIRE GUIDE	ﾊﾞﾝﾄﾞﾙﾜｲﾔｰｶﾞｲﾄﾞ
56	0CW4A18211000	AD	DJ		C	FC GUIDE	FCｶﾞｲﾄﾞ
57	0CW4A18227000	AP	EQ	N	B	BELT	ﾍﾞﾙﾄ
501	0CWXD21100502	AC	DJ		C	RING E	E ﾘﾝｸﾞ
502	0CWXB12300605	AB	DJ		C	SCREW(M3x6)	ﾋﾞｽ
503	0CWXB47401007	AB	DJ		C	SCREW TAPPING(M4x10)	ﾀｯﾋﾟﾝ ﾋﾞｽ
504	0CWXD21100642	AC	DJ		C	RING E	E ﾘﾝｸﾞ
505	0CWXB12400607	AB	DJ		C	SCREW(M4x6)	ﾋﾞｽ
507	0CWXD32300142	AD	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾟﾝ
	(Unit)						
901	0CW4116K226//	DE	**	N	E	STAPLE ASSEMBLY(INCLUDE BLOK16)	ｽﾃｲﾌﾟﾙﾕﾆｯﾄ(ﾌﾞﾛｯｸ16.含む)

15 ｽﾃｲﾌﾟﾙ部 1/2 (Staple Assembly 1/2)

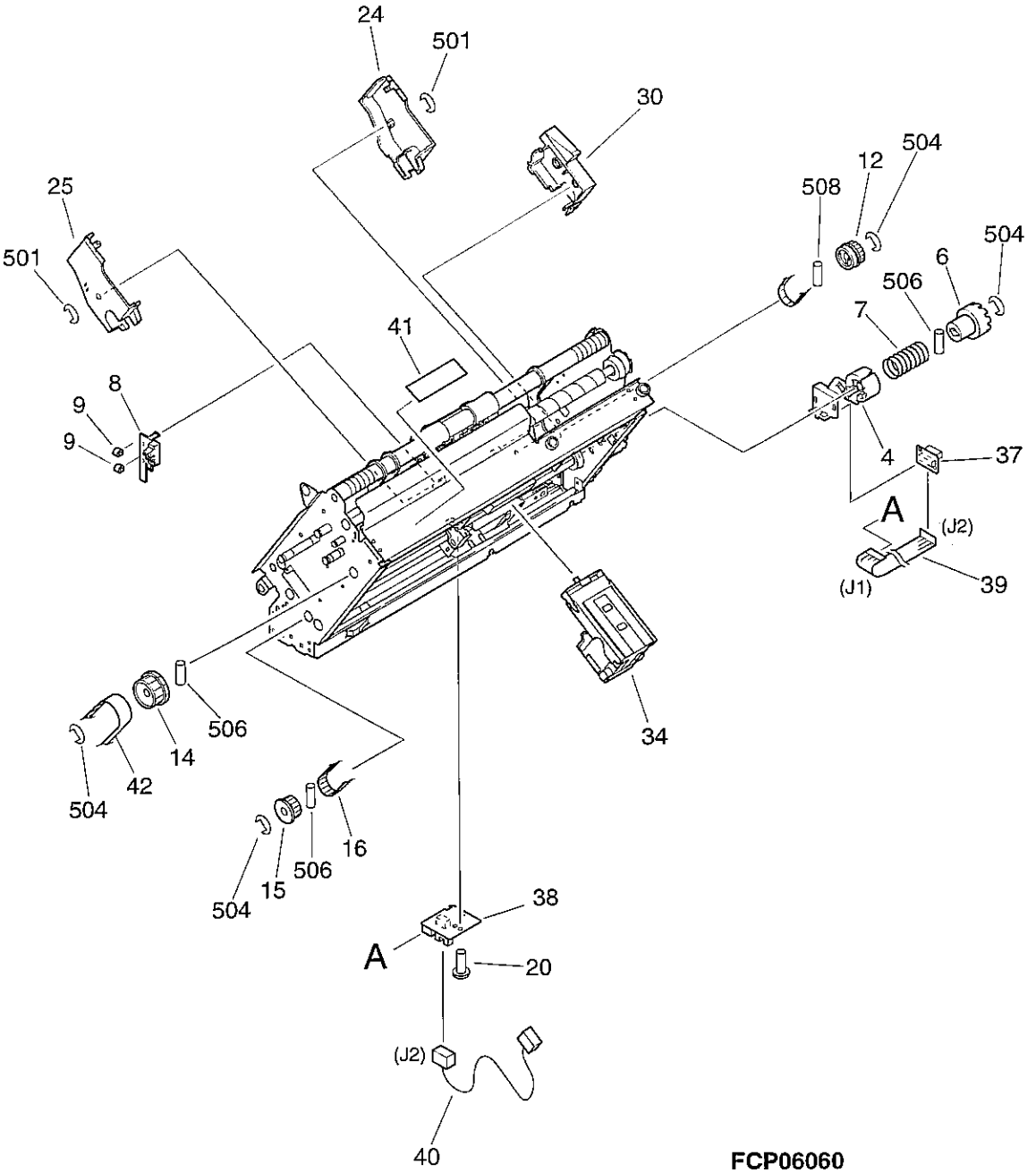


FCP06059

16 ｽﾃｲﾌﾟﾙ部 2/2 (Staple Assembly 2/2)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
4	0CW4A18215000	AF	DS		D	FRAME COUPLING	ｶｯﾌﾟﾘﾝｸﾞﾍﾞｰｽ
6	0CW4A18218000	AF	DS		C	COUPLING	ｶｯﾌﾟﾘﾝｸﾞ
7	0CW4A18219000	AF	DS		C	SPRING COMPRESSION	ｱｯｼｭｸ ﾊﾞﾈ
8	0CW4A17591000	AF	DS		C	HOLDER STAPLER GUIDE ROLLER	ｽﾃｲﾌﾟﾙｶﾞｲﾄﾞｺﾛﾎﾙﾀﾞ
9	0CW4A17589000	AD	DJ		C	ROLLER STAPLE GUIDE	ｽﾃｲﾌﾟﾙｶﾞｲﾄﾞｺﾛ
12	0CW4A18226000	AE	DJ		C	GEAR(36T/38T)	ｷﾞｱ
14	0CW4A18229000	AF	DS		C	GEAR(42T/32T)	ｷﾞｱ
15	0CW4A18230000	AE	DJ		C	PULLEY(24T)	ﾌﾟｰﾘ
16	0CW4XF2130900	AT	EZ	N	B	BELT TIMING	STP 駆動ﾍﾞﾙﾄ
20	0CWFC25035000	AC	DJ		C	SCREW W/WASHER(M3x6)	ﾊﾞﾈﾂｷﾅﾍﾞﾋﾞｽ
24	0CW4A18265000	AE	DS		D	COVER SIDE RIGHT	ｻｲﾄﾞｶﾊﾞｰﾐｷﾞ
25	0CW4A18264000	AE	DS		D	COVER SIDE LEFT	ｻｲﾄﾞｶﾊﾞｰﾋﾀﾞﾘ
30	0CW4A18263000	AE	DS		D	COVER GEAR	ｷﾞｱｶﾊﾞｰ
34	0CW4A18884000	BF	GN		E	STAPLE CARTRIDGE UNIT	ｽﾃｲﾌﾟﾙｶｰﾄﾘｯｼﾞﾕﾆｯﾄ
37	0CW4H16502000	AE	DS		E	STAPLER BASE PCB ASSEMBLY	ｽﾃｲﾌﾟﾗﾍﾞｰｽｶｲﾛｷﾊﾞﾝ
38	0CW4H16503000	AH	DX		E	STAPLER IN PCB ASSEMBLY	ｽﾃｲﾌﾟﾗﾍﾞｰｽｶｲﾛｷﾊﾞﾝ
39	0CW4H16504000	AK	DX		C	CABLE STAPLER	ｽﾃｲﾌﾟﾗﾀﾊﾞｾﾝ
40	0CW4H16505000	AH	DX		C	CABLE STAPLE 1	ｽﾃｲﾌﾟﾗﾀﾊﾞｾﾝ 1
41	0CW4110Q167A/	AQ	EQ		D	CARTRIDGE SET LABEL	ｶｰﾄﾘｯｼﾞｾｯﾄﾗﾍﾞﾙ
42	0CWXF21309000	AT	EZ		B	BELT	ﾍﾞﾙﾄ
501	0CWXD21100502	AC	DJ		C	RING E	E ﾘﾝｸﾞ
504	0CWXD21100642	AC	DJ		C	RING E	E ﾘﾝｸﾞ
506	0CWXD32300122	AC	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾟﾝ
508	0CWXD32200142	AC	DJ		C	PIN DOWEL	ﾍｲｺｳﾋﾟﾝ
	(Unit)						
901	0CW4G14268010	DC	**		E	STAPLE ASSEMBLY(INCLUDE BLOK15)	ｽﾃｲﾌﾟﾙﾕﾆｯﾄ(ﾌﾞﾛｯｸ15.含む)

16 ｽﾃｲﾌﾟﾙ部 2/2 (Staple Assembly 2/2)

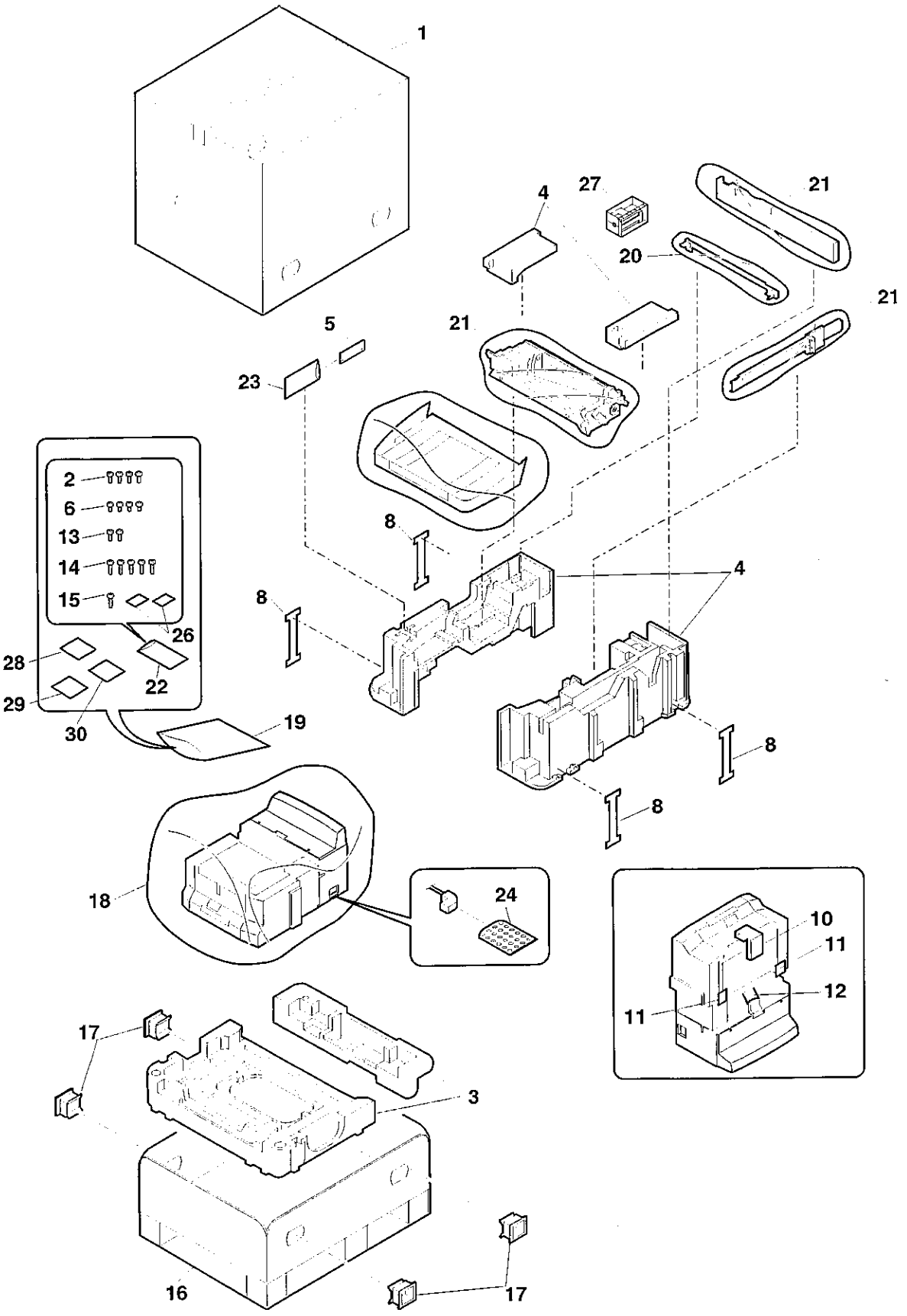


FCP06060

17 梱包 & 付属品 (Packing Material & Accessories)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4116P915//	BH	GX	N	D	PACKING CASE	(JAPAN) ﾊﾟｯｷﾝｸﾞｹｰｽ
	0CW4116P914//	BH	GX	N	D	PACKING CASE	(Other countries) ﾊﾟｯｷﾝｸﾞｹｰｽ
2	0CWFC22120000	AC	DJ		C	SCREW	ﾋﾞｽ
3	0CWPF4110K002	BG	GT		D	ASS-PAD-SH-1	ASS-PAD-SH-1
4	0CW4116K002//	BH	GX	N	D	ASY-PAD-SHC	ASY-PAD-SHC
5	0CW4116P044A/	AL	EB	N	D	PLATE EARTH	ｱｰｽ板
6	0CW040060FNBi	AA	DD		C	SCREW(4x6)	ﾋﾞｽ
8	0CW4116P909A/	AE	DS	N	D	PACG-BOARD-PAD-SHC	PACG-BOARD-PAD-SHC
10	0CW4116P912A/	AF	DS	N	D	PAD-OUT-SH	PAD-OUT-SH
11	0CW4116P911A/	AC	DD	N	D	MIRROR PAD(80x80)	ﾐﾗﾏｯﾄ
12	0CW4099P913//	AC	DD	N	D	PACG-MAT-SD	PACG-MAT-SD
13	0CW040100FNBi	AA	DD		C	SCREW	ﾋﾞｽ
14	0CW040180FNBP	AC	DJ		C	SCREW	ﾋﾞｽ
15	0CW41100411//	AC	DJ		C	SCREW(4x18)	ｷｸｻﾞﾈｼﾞ
16	0CW4116P900//	BU	NE	N	D	PACKING CASE LOWER	ﾊﾟﾚｯﾄ
17	0CW4099P903//	AL	EB		D	JOINT	ﾊﾟﾅｼﾞｮｲﾝﾄ
18	0CW4088P220//	AQ	EQ		D	VINYL BAG	ｶﾞｾﾞｯﾄﾌﾞｸﾛ
19	0CW2111P021//	AC	DJ		D	VINYL BAG A	ﾎｰﾙｽﾙｰﾌﾞｸﾛ A
20	0CW2142P320//	AE	DS		D	VINYL BAG	ﾋﾞﾆｰﾙﾌﾞｸﾛｱﾅｱｷ 4
21	0CW2216P524//	AE	DS		D	VINYL BAG A	ﾋﾞﾆｰﾙﾌﾞｸﾛ A(ｱﾅｱｷ)
22	0CW616371////	AA	DJ		D	VINYL BAG C(80x120)	ﾋﾞﾆｰﾙﾌﾞｸﾛ C
23	0CW1057P038//	AA	DJ		D	VINYL BAG	ｽﾀｯｶｰﾌｸﾛ
24	0CW2158P380//	AE	DJ		D	PACKING HARNESS S	ﾊｰﾈｽﾊﾟｯｷﾝ S
26	0CW4116P432//	AW	FG	N	D	STAPLE POSITION LABEL	ｽﾃｲﾌﾟﾙｲﾁﾗﾍﾞﾙ
27	0CW4110Q165A/	AL	EB		D	PACKING CASE	ﾊﾟｯｸﾝｸﾞｹｰｽ
28	0CW4116P435//	AW	FG	N	D	SHC-POS-LABEL	(JAPAN) SHC-POS-LABEL
29	0CW4116P436//	AW	FG	N	D	SHC-POS-LABEL	(U.S.A) SHC-POS-LABEL
30	0CW4116P437//	AW	FG	N	D	SHC-POS-LABEL	(EUROPE) SHC-POS-LABEL

17 梱包 & 付属品 (Packing Material & Accessories)

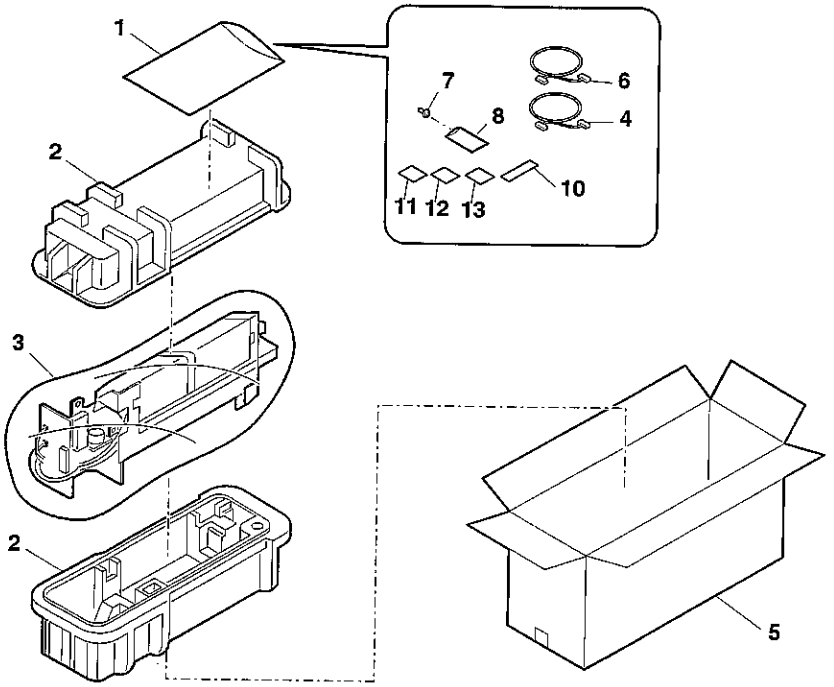


FCP06061

18 梱包 & 付属品 (Packing Material & Accessories)[AR-PN1]

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW2111P021//	AC	DJ		D	VINYL BAG A	ﾎｰﾙｽﾙｰﾌﾟﾌｸﾛ A
2	0CW1020K435//	AY	FQ		D	PAD SET	ﾊﾟｯﾄｸﾐ SH
3	0CW1020P832//	AF	DS		D	VINYL BAG E	ﾎﾞﾘﾌﾞｸﾛ (E)
4	0CW1020K375//	AH	DX		D	ASM-I/F	ASM-I/F
5	0CW1020P827//	AQ	EQ		D	BOX PACKING	ｺﾝﾎﾟｳﾊﾞｺ SH
6	0CW1020K374//	AN	EG		D	ASM-POWER	ASM-POWER
7	0CW040060FZTW	AC	DJ		C	SCREW	ﾋﾞｽ
8	0CW616371////	AA	DJ		D	VINYL BAG C(80×120)	ﾋﾞﾆｰﾙﾌﾞｸﾛ C
10	0CW1020P828//	AP	EQ		D	LABEL PUNCH DIAL	ﾊﾟﾝﾁﾀﾞｲﾔﾙﾗﾍﾞﾙ
11	0CW4B10488000	AF	DS		D	PUNCH POSITION LABEL(2-HOLE) (FOR JAPAN AND EUROPE)	ﾊﾟﾝﾁｲﾁﾗﾍﾞﾙ
12	0CW4B10485000	AF	DS		D	PUNCH POSITION LABEL(2/3-HOLE) (FOR CANADA,U.S.A.,AUSTLARIA,AND NEW ZEALAND)	ﾊﾟﾝﾁｲﾁﾗﾍﾞﾙ
13	0CW4B10486000	AF	DS		D	PUNCH POSITION LABEL(4-HOLE)(FOR EUROPE)	ﾊﾟﾝﾁｲﾁﾗﾍﾞﾙ

18 梱包 & 付属品 (Packing Material & Accessories)[AR-PN1]



FCP06062

20 DC ｺﾝﾄﾛｰﾗ回路基板 (DC Controller PWB Assembly)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4H16546030	AY	FQ		B	IC(M27C1001-80XF)	EP-ROM
2	0CWWA70484000	AN	EG		B	IC(S-93C46ADP)	EEP-ROM
	(Unit)						
901	0CW4G14702030	BZ	TF		E	DC CONTROLLER PCB ASSEMBLY	DC ｺﾝﾄﾛｰﾗｶｲﾛｷﾊﾞﾝ

21 ｺﾝﾄﾛｰﾙ基板ﾕﾆｯﾄ (Control PWB unit)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
1	0CW4116K303//	AX	FG	N	B	Flash ROM(ROM ASSY-SH-C)	ﾌﾗｯｼｭ ROM
2	0CW73495K2221	AB	DJ	N	C	Capacitor(GRM188B11H222KA01D)	ｺﾝﾃﾞﾝｻ
3	0CW73388J1011	AB	DJ	N	C	Capacitor(GRM1882C1H101JA01)	ｺﾝﾃﾞﾝｻ
4	0CW73388J1501	AB	DJ	N	C	Capacitor(GRM1882C1H150JZ01)	ｺﾝﾃﾞﾝｻ
5	0CW73388J3001	AD	DJ	N	C	Capacitor(GRM1882C1H300JZ01)	ｺﾝﾃﾞﾝｻ
6	0CW73498M2271	AH	DX	N	C	Capacitor(LXV50VB220MJ25MC)	ｺﾝﾃﾞﾝｻ
7	0CW73498M4771	AL	EB	N	C	Capacitor(LXV50VB470MK25MC)	ｺﾝﾃﾞﾝｻ
8	0CW73543M1061	AD	DJ	N	C	Capacitor(16CV10BS)	ｺﾝﾃﾞﾝｻ
9	0CW73532M6861	AF	DS	N	C	Capacitor(LXV50VB68MH12FC)	ｺﾝﾃﾞﾝｻ
10	0CW73496J2211	AD	DJ	N	C	Capacitor(GRM1882C1H221JA01)	ｺﾝﾃﾞﾝｻ
11	0CW73537K1022	AD	DJ	N	C	Capacitor(GRM188R72D102KY21)	ｺﾝﾃﾞﾝｻ
12	0CW120000106/	AN	EQ	N	B	Breaker(TBC6011-21-0941)	ﾌﾞﾚｰｶ
13	0CW74291E03SN	AF	DS	N	C	Connector(53258-0310)	ｺﾈｸﾀ

21 ｺﾝﾄﾛｰﾙ基板ﾕﾆｯﾄ (Control PWB unit)

NO.	PARTS CODE	PRICE RANK Ex.	PRICE RANK Ja.	NEW MARK	PART RANK	DESCRIPTION	
14	0CW74267E06SN	AD	DJ	N	C	Connector(53014-0610)	ｺﾈｸﾀ
15	0CW74291E06SN	AE	DS	N	C	Connector(53258-0610)	ｺﾈｸﾀ
16	0CW74477E10SN	AF	DS	N	C	Connector(1-175390-0)	ｺﾈｸﾀ
17	0CW74034E05SN	AF	DS	N	C	Connector(171825-5)	ｺﾈｸﾀ
18	0CW74267E12SN	AE	DJ	N	C	Connector(53014-1210)	ｺﾈｸﾀ
19	0CW74267E07SN	AD	DJ	N	C	Connector(53014-0710)	ｺﾈｸﾀ
20	0CW74477E09SN	AD	DJ	N	C	Connector(175390-9)	ｺﾈｸﾀ
21	0CW74477E15SN	AF	DS	N	C	Connector(1-175390-5)	ｺﾈｸﾀ
22	0CW74477E12SN	AF	DS	N	C	Connector(1-175390-2)	ｺﾈｸﾀ
23	0CW74477E05SN	AD	DJ	N	C	Connector(175390-5)	ｺﾈｸﾀ
24	0CW74440E07SN	AF	DS	N	C	Connector(53324-0710)	ｺﾈｸﾀ
25	0CW74477E02SN	AD	DJ	N	C	Connector(175390-2)	ｺﾈｸﾀ
26	0CW74440E06SN	AD	DJ	N	C	Connector(53324-0610)	ｺﾈｸﾀ
27	0CW74477E03SN	AF	DS	N	C	Connector(175390-3)	ｺﾈｸﾀ
28	0CW74477E04SN	AD	DJ	N	C	Connector(175390-4)	ｺﾈｸﾀ
⚠ 29	0CW120001558/	AG	DX	N	A	Circuit protector(CCP2E63TE)	ｻｰｷｯﾄﾌﾟﾛﾃｸﾀ
⚠ 30	0CW120001581/	AG	DX	N	A	Circuit protector(CCP2E38TE)	ｻｰｷｯﾄﾌﾟﾛﾃｸﾀ
31	0CW311000940/	AB	DJ	N	B	Diode(1SS270A)	ﾀﾞｲｵｰﾄﾞ
32	0CW311001048/	AF	DS	N	B	Diode(SFPB-76)	ﾀﾞｲｵｰﾄﾞ
33	0CW321000587/	AL	EB	N	B	IC(uPC494C)	IC
34	0CW321000747/	AT	EZ	N	B	IC(SMA7036M)	IC
35	0CW2171P978//	BB	GD	N	B	IC(IPC)(LSI-M38881M2-010GP)	IC(IPC)
36	0CW323000362/	BB	GD	N	B	IC(CPU)(HD6412352F20)	IC(CPU)
37	0CW74269BK32S	AF	DS	N	C	IC socket(ROM)(2-644018-3)	IC ｿｹｯﾄ (ROM 用)
38	0CW324000129/	AG	DX	N	B	IC(M62782GP)	IC
39	0CW7704702///	AF	DS	N	B	IC(HD74LV02AFP)	IC
40	0CW323000384/	AH	DX	N	B	IC(EEPROM)(S-93C46ADFJ)	IC(EEPROM)
41	0CW74455BK08S	AF	DS	N	C	IC socket(EEPROM)(2-640463-3)	IC ｿｹｯﾄ (EEPROM 用)
42	0CW7703208F//	AG	DX	N	B	IC(TC7W08F)	IC
43	0CW321000765/	AV	FG	N	B	IC(SLA7032M)	IC
44	0CW7703232F//	AG	DX	N	B	IC(TC7W32F)	IC
45	0CW321000763/	BA	FX	N	B	IC(STK672-060A)	IC
46	0CW230000055/	AR	EQ	N	B	Coil(SK-17BW-045-620)	ｺｲﾙ
47	0CW314000661/	AD	DJ	N	B	LED(TLSU1002)	LED
48	0CW250000090/	AF	DS	N	B	Crystal(CSA12^2MTZ)	ｸﾘｽﾀﾙ
49	0CW312001458/	AL	EB	N	B	Transistor(2SJ529L)	ﾄﾗﾝｼﾞｽﾀ
50	0CW312001305/	AD	DJ	N	B	Transistor(RN2402)	ﾄﾗﾝｼﾞｽﾀ
51	0CW312001459/	AL	EB	N	B	Transistor(2SK2925L)	ﾄﾗﾝｼﾞｽﾀ
52	0CW70059JR68/	AG	DX	N	C	Resistor(RF1S0^68J)	抵抗
53	0CW70228J513/	AD	DJ	N	C	Resistor(RK73K1JTD51KJ)	抵抗
54	0CW70228J563/	AD	DJ	N	C	Resistor(RK73K1JTD56KJ)	抵抗
55	0CW70228J100/	AD	DJ	N	C	Resistor(RK73K1JTD10J)	抵抗
56	0CW70231F3831	AD	DJ	N	C	Resistor(RK73H1JTD3^83KF)	抵抗
57	0CW70231F202/	AD	DJ	N	C	Resistor(RK73H1JTD2KF)	抵抗
58	0CW70247J331/	AD	DJ	N	C	Resistor(RSS1v2L10330J)	抵抗
59	0CW70248J821/	AD	DJ	N	C	Resistor(RSS1L12^5820J)	抵抗
60	0CW70231F332/	AD	DJ	N	C	Resistor(RK73H1JTD3^3KF)	抵抗
61	0CW70231F562/	AD	DJ	N	C	Resistor(RK73H1JTD5^6KF)	抵抗
62	0CW70246J1R0/	AD	DJ	N	C	Resistor(RSSX2L151^0J)	抵抗
63	0CW70246JR33/	AD	DJ	N	C	Resistor(RSSX2L150^33J)	抵抗
64	0CW70231F184/	AD	DJ	N	C	Resistor(RK73H1JTD180KF)	抵抗
65	0CW70231F512/	AD	DJ	N	C	Resistor(RK73H1JTD5^1KF)	抵抗
66	0CW70231F242/	AD	DJ	N	C	Resistor(RK73H1JTD2^4KF)	抵抗
67	0CW70250JR10/	AD	DJ	N	C	Resistor(SPRX2L150^1J)	抵抗
68	0CW70254J4R7/	AG	DX	N	C	Resistor(RSSX1L12^54^7J)	抵抗
69	0CW70186J752/	AD	DJ	N	C	Resistor(RK73K2BTD7^5KJ)	抵抗
70	0CW70225J332/	AD	DJ	N	C	Resistor(RK73K2ASTD3^3KJ)	抵抗
71	0CW70231F103/	AD	DJ	N	C	Resistor(RK73H1JTD10KF)	抵抗
72	0CW70228J471/	AD	DJ	N	C	Resistor(RK73K2BTD470J)	抵抗
73	0CW70240J102/	AD	DJ	N	C	Resistor(RK73K2HSTE1KJ)	抵抗
74	0CW70231F433/	AD	DJ	N	C	Resistor(RK73H1JTD43KF)	抵抗
75	0CW70266J221/	AD	DJ	N	C	Resistor(RK73K2ESTD220J)	抵抗
76	0CW70184F820/	AD	DJ	N	C	Resistor(RK73H2ETD82F)	抵抗
77	0CW71051J103/	AD	DJ	N	C	Resistor array(CN1E4KTD10KJ)	抵抗ｱﾚｲ
78	0CW71051J101/	AD	DJ	N	C	Resistor array(CN1E4KTD100J)	抵抗ｱﾚｲ
79	0CW120001534/	AL	EB	N	B	DIPSW(ADE08C)	DIPSW
	(Unit)						
901	0CW4116K301//	CD	UD	N	E	Control PWB unit(PBA-CONTSUB-SH-C)	ｺﾝﾄﾛｰﾙ基板ﾕﾆｯﾄ

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【0】						
0CW030060FZBi	572 970 1199	13- 88	AA	DD	N	C
0CW040060FNBi	572 970 0988	17- 6	AA	DD		C
0CW040060FZTW	572 970 2329	18- 7	AC	DJ		C
0CW040080FZWS	572 970 1024	1- 49	AA	DD		C
0CW040100FNBi	572 970 1212	17- 13	AA	DD		C
0CW040180FNBP	572 970 2330	17- 14	AC	DJ		C
0CW1020K374//	572 902 1638	18- 6	AN	EG		D
0CW1020K375//	572 902 1639	18- 4	AH	DX		D
0CW1020K435//	572 902 1640	18- 2	AY	FQ		D
0CW1020P827//	572 902 1641	18- 5	AQ	EQ		D
0CW1020P828//	572 917 3598	18- 10	AP	EQ		D
0CW1020P832//	572 906 0121	18- 3	AF	DS		D
0CW1057P038//	572 906 0085	17- 23	AA	DJ		D
0CW120000106/	572 506 0014	21- 12	AN	EQ	N	B
0CW120001534/	572 530 0717	21- 79	AL	EB	N	B
0CW120001558/	572 575 0166	21- 29	AG	DX	N	A
0CW120001581/	572 575 0167	21- 30	AG	DX	N	A
0CW2111P021//	572 906 0086	17- 19	AC	DJ		D
//	572 906 0086	18- 1	AC	DJ		D
0CW2142P320//	572 906 0095	17- 20	AE	DS		D
0CW2158P380//	572 902 1122	17- 24	AE	DJ		D
0CW2171P978//	572 573 2822	21- 35	BB	GD	N	B
0CW2216P524//	572 905 0004	17- 21	AE	DS		D
0CW230000055/	572 614 0292	21- 46	AR	EQ	N	B
0CW250000090/	572 616 0174	21- 48	AF	DS	N	B
0CW311000940/	572 570 0561	21- 31	AB	DJ	N	B
0CW311001048/	572 570 0562	21- 32	AF	DS	N	B
0CW312001305/	572 576 0605	21- 50	AD	DJ	N	B
0CW312001458/	572 576 0606	21- 49	AL	EB	N	B
0CW312001459/	572 576 0607	21- 51	AL	EB	N	B
0CW314000661/	572 574 0327	21- 47	AD	DJ	N	B
0CW321000587/	572 573 2823	21- 33	AL	EB	N	B
0CW321000747/	572 573 2824	21- 34	AT	EZ	N	B
0CW321000763/	572 573 2825	21- 45	BA	FX	N	B
0CW321000765/	572 573 2826	21- 43	AV	FG	N	B
0CW323000362/	572 573 2827	21- 36	BB	GD	N	B
0CW323000384/	572 573 2828	21- 40	AH	DX	N	B
0CW324000129/	572 573 2829	21- 38	AG	DX	N	B
0CW4048P076A/	572 970 2570	2- 54	AE	DS	N	C
0CW4088P220//	572 906 0122	17- 18	AQ	EQ		D
0CW4099P903//	572 900 0023	17- 17	AL	EB		D
0CW4099P913//	572 902 1643	17- 12	AC	DD	N	D
0CW41100411//	572 970 2331	17- 15	AC	DJ		C
0CW4110P362A/	572 214 2310	11- 70	AD	DJ		C
0CW4110Q165A/	572 902 1694	17- 27	AL	EB		D
0CW4110Q167A/	572 917 3674	16- 41	AQ	EQ		D
0CW4113K158A/	572 248 1488	13- 87	AS	EQ	N	C
0CW4113P027A/	572 258 4075	2- 58	AK	DX	N	C
0CW4113P413//	572 403 5194	11- 68	AD	DJ	N	C
0CW4113P414//	572 403 5195	11- 69	AD	DJ	N	C
0CW4113P643B/	572 258 4183	11- 35	AR	EQ	N	C
0CW4114K155B/	572 110 1302	3- 57	AF	DS	N	C
0CW4114P280A1	572 345 3936	3- 31	AG	DS	N	C
0CW4116K002//	572 902 1728	17- 4	BH	GX	N	D
0CW4116K226//	572 685 2169	15-901	DE	**	N	E
0CW4116K301//	572 684 3998	21-901	CD	UD	N	E
0CW4116K303//	572 573 2855	21- 1	AX	FG	N	B
0CW4116P004//	572 110 1280	1- 4	AY	FQ	N	C
0CW4116P007B1	572 221 8191	1- 10	AR	EQ	N	C
0CW4116P010//	572 221 8095	1- 38	AS	EZ	N	C
0CW4116P016//	572 345 3868	3- 48	AG	DX	N	C
0CW4116P021//	572 221 8096	1- 48	AN	EG	N	C
0CW4116P041//	572 110 1281	1- 5	AS	EQ	N	C
0CW4116P044//	572 221 8097	1- 18	AL	EB	N	D
0CW4116P044A/	572 221 8197	17- 5	AL	EB	N	D
0CW4116P046//	572 221 8104	1- 31	AZ	FX	N	D
0CW4116P047//	572 221 8098	1- 30	AS	EQ	N	C
0CW4116P104//	572 218 0633	1- 21	AN	EG	N	D
0CW4116P1418/	572 290 2876	11- 63	AW	FG	N	C
0CW4116P200A1	572 110 1303	1- 15	BA	FX	N	D
0CW4116P201B1	572 110 1304	1- 16	BA	FX	N	D
0CW4116P202A1	572 107 2167	1- 8	BB	GD	N	D
0CW4116P220//	572 413 0779	2- 55	AG	DX	N	D
0CW4116P221//	572 107 2125	1- 2	BA	FX	N	D
0CW4116P222//	572 413 0780	2- 56	AG	DX	N	D
0CW4116P223//	572 203 1128	1- 22	AH	DX	N	C
0CW4116P239//	572 172 0217	1- 45	AF	DS	N	C
0CW4116P300A/	572 403 5270	10- 65	AG	DX	N	C

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0CW4116P301A/	572 403 5271	10- 64	AG	DX	N	C
0CW4116P315A/	572 413 0781	2- 57	AG	DX	N	C
0CW4116P316A1	572 345 3937	2- 42	AH	DX	N	C
0CW4116P400//	572 221 8101	1- 47	AQ	EQ	N	C
0CW4116P405A1	572 287 2406	4- 38	BA	FX	N	C
0CW4116P410//	572 221 8102	1- 20	AF	DS	N	C
0CW4116P432//	572 917 3680	17- 26	AW	FG	N	D
0CW4116P433//	572 917 3681	2- 40	AY	FQ	N	D
0CW4116P435//	572 917 3711	17- 28	AW	FG	N	D
0CW4116P436//	572 917 3712	17- 29	AW	FG	N	D
0CW4116P437//	572 917 3713	17- 30	AW	FG	N	D
0CW4116P492//	572 214 2313	9- 17	AL	EB	N	C
0CW4116P699//	572 221 8103	1- 23	BC	GJ	N	C
0CW4116P759//	572 287 2342	11- 38	AN	EG	N	C
0CW4116P900//	572 901 1927	17- 16	BU	NE	N	D
0CW4116P909A/	572 902 1725	17- 8	AE	DS	N	D
0CW4116P911A/	572 902 1726	17- 11	AC	DD	N	D
0CW4116P912A/	572 902 1727	17- 10	AF	DS	N	D
0CW4116P914//	572 901 1928	17- 1	BH	GX	N	D
0CW4116P915//	572 901 1929	17- 1	BH	GX	N	D
0CW4A12609000	572 971 0048	1- 44	AC	DJ		C
0CW4A17172010	572 345 3723	4- 10	AN	EQ		C
0CW4A17173000	572 231 0534	7- 16	AD	DJ		C
0CW4A17175000	572 233 0157	14- 74	AF	DS	N	C
0CW4A17176000	572 233 0158	14- 75	AF	DS	N	C
0CW4A17177000	572 345 3604	13- 1	AG	DS		C
0CW4A17178000	572 345 3605	13- 2	AG	DS		C
0CW4A17179000	572 221 8184	13- 85	AV	FG	N	C
0CW4A17180000	572 110 1300	13- 84	AN	EG	N	C
0CW4A17181000	572 323 2117	13- 77	AG	DX		C
0CW4A17185000	572 233 0159	10- 66	AL	EB	N	C
0CW4A17186010	572 345 3734	14- 64	AL	EB		C
0CW4A17187000	572 345 3607	14- 61	AK	EB		C
0CW4A17188000	572 221 8185	13- 86	AF	DS	N	C
0CW4A17191000	572 203 0881	10- 52	AF	DS		C
0CW4A17192000	572 203 0882	11- 58	AE	DS		C
0CW4A17193000	572 203 0883	10- 56	AG	DS		C
0CW4A17194000	572 345 3608	11- 31	AR	EQ		C
0CW4A17196000	572 233 0160	10- 62	AH	DX	N	C
0CW4A17198000	572 203 0884	8- 30	AQ	EQ		C
0CW4A17199000	572 221 7974	8- 26	AE	DJ		C
0CW4A17202000	572 213 2178	11- 62	AK	DX		C
0CW4A17203010	572 203 0895	13- 80	AL	EB		C
0CW4A17204000	572 345 3609	14- 69	AM	EG		C
0CW4A17207000	572 345 3610	14- 67	AR	EQ		C
0CW4A17209000	572 258 3776	10- 31	AC	DJ		C
0CW4A17212000	572 214 2144	10- 42	AE	DS		C
0CW4A17215000	572 290 2919	7- 17	AG	DX	N	C
0CW4A17217000	572 290 2920	3- 62	AV	FG	N	C
0CW4A17227000	572 290 2803	12- 79	AT	EZ		C
0CW4A17228010	572 290 2801	13- 71	AC	DJ		C
0CW4A17229000	572 290 2804	8- 28	AL	EB		C
0CW4A17231000	572 290 2805	8- 29	AL	EB		C
0CW4A17234000	572 290 2806	11- 60	AR	EQ		C
0CW4A17235000	572 290 2814	11- 57	AR	EQ		C
0CW4A17236000	572 290 2807	10- 54	AS	EQ		C
0CW4A17238000	572 290 2921	11- 71	AR	EQ	N	C
0CW4A17239000	572 290 2809	10- 50	AK	DX		C
0CW4A17240000	572 290 2708	9- 7	AM	EG		C
0CW4A17242000	572 290 2810	13- 78	AU	FG		C
0CW4A17253000	572 290 2922	3- 64	AS	EZ	N	C
0CW4A17254000	572 290 2811	14- 72	AX	FQ		C
0CW4A17255000	572 290 2812	14- 73	AY	FQ		C
0CW4A17256000	572 290 2813	12- 73	AN	EG		C
0CW4A17259000	572 281 2127	3- 3	AD	DJ		C
0CW4A17260000	572 281 2128	7- 1	AF	DS		C
0CW4A17261000	572 281 2129	7- 2	AG	DS		C
0CW4A17262000	572 281 2130	7- 3	AE	DS		C
0CW4A17263000	572 284 0791	7- 4	AE	DS		C
0CW4A17264000	572 221 7757	7- 13	AE	DJ		C
0CW4A17265000	572 287 2183	3- 29	AC	DJ		C
0CW4A17266000	572 233 0161	10- 63	AE	DS	N	C
0CW4A17267000	572 281 2131	3- 1	AE	DJ		C
0CW4A17268000	572 281 2132	4- 23	AD	DJ		C
0CW4A17270000	572 248 1313	2- 32	AG	DS		C
0CW4A17271000	572 284 0792	11- 10	AP	EQ		C
0CW4A17272000	572 284 0793	11- 11	AN	EQ		C
0CW4A17273000	572 281 2133	10- 15	AD	DJ		C
0CW4A17274000	572 281 2134	11- 12	AD	DJ		C
0CW4A17275000	572 284 0794	10- 27	AD	DJ		C
0CW4A17276000	572 399 0232	11- 13	AC	DJ		C

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0CW4A17278000	572 399 0233	11- 1	AC	DJ		C
0CW4A17279000	572 281 2135	11- 14	AD	DJ		C
0CW4A17280000	572 281 2136	11- 15	AD	DJ		C
0CW4A17281000	572 284 0795	11- 2	AD	DJ		C
0CW4A17282000	572 281 2137	11- 45	AC	DJ		C
0CW4A17283000	572 281 2138	11- 44	AC	DJ		C
0CW4A17284000	572 281 2139	2- 41	AD	DJ		C
0CW4A17285000	572 214 2145	11- 50	AE	DS		C
0CW4A17286000	572 214 2146	11- 46	AE	DS		C
0CW4A17288000	572 284 0796	3- 24	AD	DJ		C
0CW4A17289000	572 281 2140	9- 8	AF	DS		C
0CW4A17290000	572 281 2141	14- 3	AE	DS		C
0CW4A17291000	572 248 1314	2- 12	AE	DS		C
0CW4A17292000	572 248 1315	9- 9	AE	DJ		C
0CW4A17295000	572 241 0138	13- 4	AD	DJ		C
0CW4A17296000	572 241 0139	13- 5	AD	DJ		C
0CW4A17297000	572 287 2184	13- 68	AC	DJ		C
0CW4A17298000	572 287 2185	13- 74	AF	DS		C
0CW4A17299000	572 241 0140	12- 6	AG	DX		C
0CW4A17300000	572 281 2142	8- 16	AD	DJ		C
0CW4A17301000	572 281 2143	8- 1	AE	DS		C
0CW4A17302000	572 281 2144	8- 2	AQ	EQ		C
0CW4A17303000	572 281 2145	8- 3	AK	DX		C
0CW4A17304000	572 281 2146	8- 4	AL	EB		C
0CW4A17305000	572 281 2147	8- 5	AL	EB		C
0CW4A17306000	572 281 2148	8- 6	AH	DX		C
0CW4A17307000	572 284 0797	8- 7	AF	DS		C
0CW4A17308000	572 248 1317	8- 18	AS	EZ		C
0CW4A17309000	572 214 2147	14- 62	AE	DJ		C
0CW4A17310000	572 214 2148	14- 63	AE	DJ		C
0CW4A17311000	572 214 2149	14- 65	AE	DJ		C
0CW4A17312000	572 214 2150	14- 66	AE	DJ		C
0CW4A17314000	572 221 7758	10- 36	AH	DX		C
0CW4A17317000	572 287 2186	2- 21	AC	DJ		C
0CW4A17319000	572 221 7759	10- 40	AL	EB		C
0CW4A17321000	572 240 0415	3- 44	AR	EQ		C
0CW4A17322000	572 287 2187	13- 59	AD	DJ		C
0CW4A17325000	572 281 2149	9- 10	AE	DS		C
0CW4A17327000	572 214 2151	9- 18	AD	DJ		C
0CW4A17328000	572 248 1318	10- 5	AD	DJ		C
0CW4A17329000	572 248 1319	10- 24	AE	DS		C
0CW4A17330000	572 248 1320	11- 16	AD	DJ		C
0CW4A17331000	572 241 0141	11- 17	AD	DJ		C
0CW4A17332000	572 240 0416	11- 18	AC	DJ		C
0CW4A17333000	572 345 3616	11- 43	AN	EG		C
0CW4A17335000	572 284 0798	13- 7	AN	EG		C
0CW4A17336000	572 214 2152	4- 16	AE	DJ		C
0CW4A17337000	572 345 3617	11- 3	AE	DS		C
0CW4A17338000	572 281 2150	8- 8	AH	DX		C
0CW4A17339000	572 399 0234	11- 25	AC	DJ		C
//	572 399 0234	13- 8	AC	DJ		C
0CW4A17340000	572 281 2151	14- 9	AG	DX		C
0CW4A17341000	572 345 3654	11- 52	AH	DX		C
0CW4A17343000	572 345 3619	11- 33	AF	DS		C
0CW4A17344000	572 214 2153	11- 51	AE	DJ		C
0CW4A17345000	572 214 2154	11- 47	AE	DJ		C
0CW4A17346000	572 290 2709	11- 19	AC	DJ		C
0CW4A17347000	572 240 0417	11- 20	AD	DJ		C
0CW4A17348000	572 240 0418	11- 21	AD	DJ		C
0CW4A17349000	572 248 1321	4- 11	AF	DS		C
0CW4A17350000	572 218 0597	13- 10	AC	DJ		C
0CW4A17351000	572 284 0799	11- 22	AD	DJ		C
0CW4A17352000	572 214 2155	11- 39	AC	DJ		C
0CW4A17353000	572 214 2156	3- 6	AE	DJ		C
0CW4A17354000	572 214 2157	3- 7	AE	DJ		C
0CW4A17355000	572 284 0800	3- 37	AD	DJ		C
0CW4A17357000	572 284 0801	12- 11	AD	DJ		C
0CW4A17358000	572 281 2152	14- 12	AP	EQ		C
0CW4A17359000	572 281 2153	14- 13	AK	DX		C
0CW4A17360000	572 281 2154	14- 14	AK	DX		C
0CW4A17361000	572 214 2158	13- 15	AD	DJ		C
0CW4A17362000	572 281 2155	14- 16	AL	EB		C
0CW4A17363000	572 241 0142	12- 17	AH	DX		C
0CW4A17364000	572 281 2156	12- 18	AL	EB		C
0CW4A17365000	572 281 2157	14- 19	AF	DS		C
0CW4A17366000	572 240 0419	11- 23	AE	DJ		C
0CW4A17367000	572 204 0454	9- 11	AD	DJ		C
0CW4A17368000	572 284 0802	10- 17	AP	EQ		C
0CW4A17371000	572 287 2188	3- 8	AC	DJ		C
//	572 287 2188	4- 14	AC	DJ		C
//	572 287 2188	9- 5	AC	DJ		C

PARTS CODE	JAPAN ONLY ORDER CODE	NO.	PRICE R.		NEW	P/R
			Ex.	Ja.		
0CW4A17372000	572 345 3620	11- 26	AH	DX		C
0CW4A17376000	572 281 2158	12- 20	AF	DS		C
0CW4A17377000	572 281 2159	12- 21	AD	DJ		C
0CW4A17378000	572 214 2159	2- 15	AD	DJ		C
0CW4A17379000	572 287 2189	11- 48	AS	EQ		C
0CW4A17380000	572 258 3777	11- 4	AD	DJ		C
//	572 258 3777	2- 8	AD	DJ		C
0CW4A17381000	572 287 2190	10- 18	AS	EQ		C
0CW4A17383000	572 271 0702	10- 6	AY	FQ		B
0CW4A17385000	572 287 2193	12- 22	BN	HZ		C
0CW4A17386000	572 258 3778	14- 23	AE	DS		C
0CW4A17387000	572 258 3779	13- 24	AD	DJ		C
0CW4A17388000	572 258 3780	12- 25	AE	DS		C
0CW4A17389000	572 258 3781	14- 26	AG	DX		C
0CW4A17390000	572 258 3782	10- 1	AD	DJ		C
0CW4A17391000	572 258 3783	10- 39	AC	DJ		C
0CW4A17392000	572 258 3784	10- 7	AE	DS		C
0CW4A17400000	572 258 3785	2- 35	AC	DJ		C
//	572 258 3785	3- 45	AC	DJ		C
0CW4A17401000	572 258 3786	11- 5	AD	DJ		C
0CW4A17402000	572 258 3787	10- 25	AC	DJ		C
0CW4A17403000	572 258 3788	14- 27	AE	DS		C
0CW4A17404000	572 287 2194	14- 28	AV	FG		C
0CW4A17406000	572 287 2195	11- 34	AH	DX		C
0CW4A17407000	572 258 3789	8- 21	AD	DJ		C
0CW4A17408000	572 258 3790	2- 36	AD	DJ		C
0CW4A17409000	572 258 3791	4- 34	AD	DJ		C
0CW4A17414000	572 258 3792	3- 10	AD	DJ		C
0CW4A17415000	572 258 3793	2- 14	AG	DS		C
0CW4A17416000	572 258 3794	9- 3	AD	DJ		C
0CW4A17417000	572 258 3795	3- 11	AD	DJ		C
0CW4A17418000	572 258 3796	4- 12	AD	DJ		C
0CW4A17419000	572 258 3797	3- 12	AD	DJ		C
0CW4A17420000	572 258 3798	9- 4	AC	DJ		C
0CW4A17421000	572 258 3799	9- 12	AE	DJ		C
0CW4A17422000	572 258 3800	9- 13	AE	DS		C
0CW4A17423000	572 258 3801	9- 14	AE	DS		C
0CW4A17424000	572 221 7760	2- 29	AF	DS		C
0CW4A17425000	572 221 8186	4- 45	AE	DS	N	C
0CW4A17426000	572 221 8187	4- 46	AH	DX	N	C
0CW4A17427000	572 310 0346	11- 32	AT	EZ		B
0CW4A17428000	572 258 3802	3- 9	AC	DJ		C
0CW4A17467000	572 203 0879	4- 40	AF	DS		C
//	572 203 0879	9- 19	AF	DS		C
0CW4A17469000	572 231 0535	7- 14	AD	DJ		C
0CW4A17470000	572 213 2181	14- 71	AP	EQ		C
0CW4A17474000	572 221 8188	3- 66	AG	DS	N	C
0CW4A17475000	572 221 8189	3- 58	AH	DX	N	C
0CW4A17476000	572 258 3803	12- 50	AC	DJ		C
0CW4A17477000	572 203 0886	12- 77	AN	EQ		C
0CW4A17479000	572 221 7975	8- 24	AD	DJ		C
0CW4A17480000	572 345 3621	13- 57	AP	EQ		C
0CW4A17481000	572 214 2160	13- 60	AE	DS		C
0CW4A17482000	572 231 0536	3- 54	AP	EQ		B
0CW4A17483000	572 231 0601	10- 68	AL	EB	N	C
0CW4A17485000	572 203 0887	12- 75	AK	DX		C
0CW4A17486000	572 203 0888	10- 51	AM	EG		C
0CW4A17487000	572 203 0889	10- 55	AF	DS		C
0CW4A17488000	572 107 1994	4- 28	AV	FG		D
0CW4A17489000		3- 68	AG	DS	N	C
0CW4A17491000	572 213 2182	3- 55	AW	FG		B
0CW4A17492000	572 110 1301	14- 76	AF	DS	N	C
0CW4A17495000	572 221 7761	4- 25	AD	DJ		C
0CW4A17496000	572 221 7762	4- 26	AD	DJ		C
0CW4A17504000	572 332 0219	12- 74	AF	DS		C
0CW4A17505000	572 248 1322	4- 19	AD	DJ		C
0CW4A17506000	572 248 1323	4- 20	AE	DS		C
0CW4A17507000	572 214 2162	4- 21	AD	DJ		C
0CW4A17508000	572 214 2163	4- 22	AG	DX		C
0CW4A17509000	572 284 0803	3- 13	AD	DJ		C
0CW4A17510000	572 345 3932	3- 63	AK	DX	N	C
0CW4A17511000	572 332 0220	3- 56	AR	EQ		B
0CW4A17512000	572 345 3933	3- 61	AE	DJ	N	C
0CW4A17513000	572 241 0143	11- 41	AD	DJ		C
0CW4A17514000	572 248 1324	10- 33	AE	DS		C
0CW4A17515000	572 287 2196	4- 9	AC	DJ		C
0CW4A17516000	572 221 7976	8- 25	AK	DX		C
0CW4A17517000	572 214 2164	3- 14	AE	DS		C
0CW4A17518000	572 214 2165	3- 15	AG	DX		C
0CW4A17519000	572 110 1210	10- 16	AR	EQ		D
0CW4A17520000	572 107 2001	2- 3	AX	FG		D

PARTS CODE	JAPAN ONLY ORDER CODE	NO.	PRICE R.		NEW	P/R
			Ex.	Ja.		
0CW4A17523000	572 204 0455	3- 17	AC	DJ		C
0CW4A17524000	572 284 0804	3- 18	AD	DJ		C
0CW4A17525000	572 287 2197	12- 72	AD	DJ		C
0CW4A17526000	572 214 2166	9- 15	AF	DS		C
0CW4A17528000	572 204 0456	3- 19	AC	DJ		C
0CW4A17529000	572 214 2167	11- 6	AD	DJ		C
0CW4A17530000	572 284 0805	14- 29	AD	DJ		C
0CW4A17531000	572 287 2198	11- 37	AK	DX		C
0CW4A17533000	572 356 0009	12- 30	AC	DJ		C
//	572 356 0009	13- 30	AC	DJ		C
0CW4A17534000	572 312 0070	3- 30	AF	DS		C
0CW4A17535000	572 345 3623	2- 9	AS	EZ		C
0CW4A17536000	572 214 2168	14- 51	AC	DJ		C
0CW4A17538000	572 214 2169	11- 7	AD	DJ		C
0CW4A17539000	572 251 0065	3- 32	AK	DX		C
0CW4A17540000	572 251 0066	3- 33	AC	DJ		C
0CW4A17542000	572 399 0235	3- 20	AC	DJ		C
0CW4A17543000	572 345 3934	3- 60	AE	DS	N	C
0CW4A17544000	572 287 2200	14- 52	AR	EQ		C
0CW4A17545000	572 287 2201	14- 53	AQ	EQ		C
0CW4A17546000	572 258 3804	13- 73	AD	DJ		C
0CW4A17549000	572 258 3807	3- 34	AC	DJ		C
0CW4A17551000	572 990 0526	13- 31	AD	DJ		C
0CW4A17552000	572 204 0457	12- 32	AF	DS		C
0CW4A17566000	572 214 2170	12- 33	AD	DJ		C
//	572 214 2170	13- 33	AD	DJ		C
//	572 214 2170	2- 37	AD	DJ		C
//	572 214 2170	8- 9	AD	DJ		C
0CW4A17567000	572 214 2171	10- 19	AD	DJ		C
//	572 214 2171	13- 34	AD	DJ		C
//	572 214 2171	14- 34	AD	DJ		C
//	572 214 2171	2- 38	AD	DJ		C
//	572 214 2171	3- 21	AD	DJ		C
//	572 214 2171	8- 10	AD	DJ		C
0CW4A17572000	572 204 0458	10- 20	AE	DJ		C
//	572 204 0458	3- 22	AE	DJ		C
//	572 204 0458	8- 11	AE	DJ		C
0CW4A17573000	572 204 0459	12- 36	AE	DS		C
//	572 204 0459	13- 36	AE	DS		C
//	572 204 0459	8- 12	AE	DS		C
0CW4A17575010	572 110 1236	10- 43	AE	DS		D
0CW4A17576000	572 203 0890	3- 53	AH	DX		B
0CW4A17577000	572 248 1325	3- 2	AE	DS		C
0CW4A17578000	572 902 1680	3- 49	AD	DJ		B
0CW4A17581000	572 345 3624	15- 28	AF	DS		C
0CW4A17583000	572 281 2160	15- 31	AD	DJ		C
0CW4A17584000	572 218 0598	15- 29	AD	DJ		C
0CW4A17585000	572 399 0236	11- 42	AE	DJ		C
0CW4A17588000	572 345 3626	10- 28	AD	DJ		C
0CW4A17589000	572 287 2202	16- 9	AD	DJ		C
0CW4A17590000	572 326 0465	15- 51	AC	DJ		C
0CW4A17591000	572 214 2172	16- 8	AF	DS		C
0CW4A17592000	572 258 3808	15- 10	AE	DJ		C
0CW4A17689000	572 345 3627	2- 10	AC	DJ		C
0CW4A17691000	572 258 3809	3- 23	AC	DJ		C
0CW4A18198000	572 287 2203	15- 36	AC	DJ		C
0CW4A18206000	572 287 2204	15- 1	AD	DJ		C
0CW4A18207000	572 258 3810	15- 2	AN	EQ		C
0CW4A18210000	572 218 0599	15- 35	AD	DJ		C
0CW4A18211000	572 345 3719	15- 56	AD	DJ		C
0CW4A18214000	572 323 2122	15- 3	AG	DX		D
0CW4A18215000	572 210 1181	16- 4	AF	DS		D
0CW4A18217000	572 287 2205	15- 5	AE	DS		C
0CW4A18218000	572 274 0069	16- 6	AF	DS		C
0CW4A18219000	572 258 3878	16- 7	AF	DS		C
0CW4A18225000	572 284 0806	15- 11	AD	DJ		C
0CW4A18226000	572 281 2161	16- 12	AE	DJ		C
0CW4A18227000	572 271 0860	15- 57	AP	EQ	N	B
0CW4A18229000	572 281 2162	16- 14	AF	DS		C
0CW4A18230000	572 284 0807	16- 15	AE	DJ		C
0CW4A18232000	572 281 2192	15- 48	AF	DS		C
0CW4A18238000	572 107 2002	15- 22	AR	EQ		D
0CW4A18240000	572 345 3628	15- 26	AQ	EQ		C
0CW4A18263000	572 323 2124	16- 30	AE	DS		D
0CW4A18264000	572 323 2125	16- 25	AE	DS		D
0CW4A18265000	572 323 2126	16- 24	AE	DS		D
0CW4A18314000	572 258 3811	4- 29	AC	DJ		C
0CW4A18316000	572 323 2127	4- 8	AD	DJ		D
0CW4A18319000	572 284 0808	10- 21	AD	DJ		C
0CW4A18320000	572 326 0471	11- 61	AC	DJ		C
0CW4A18321000	572 258 3812	11- 24	AC	DJ		C

PARTS CODE	JAPAN ONLY ORDER CODE	NO.	PRICE R.		NEW	P/R
			Ex.	Ja.		
0CW4A18322000	572 258 3813	14- 70	AC	DJ		C
0CW4A18323000	572 345 3935	12- 80	AC	DJ	N	C
0CW4A18324000	572 221 7763	13- 58	AE	DS		C
0CW4A18325000	572 221 7965	13- 79	AN	EG		C
0CW4A18326000	572 258 3814	13- 56	AK	DX		C
0CW4A18327000	572 258 3815	13- 55	AL	EB		C
0CW4A18328000	572 326 0519	13- 83	AC	DJ	N	C
0CW4A18329000	572 287 2206	13- 37	AC	DJ		C
0CW4A18330000	572 281 2164	12- 38	AD	DJ		C
0CW4A18331000	572 281 2165	13- 39	AD	DJ		C
0CW4A18332000	572 345 3629	12- 40	AR	EQ		C
0CW4A18334000	572 399 0237	10- 22	AC	DJ		C
0CW4A18337000	572 221 7764	4- 39	AK	DX		C
0CW4A18338000	572 345 3630	2- 39	AL	EB		C
0CW4A18672000	572 221 7765	5- 9	AY	FQ		C
0CW4A18673000	572 110 1212	5- 10	AF	DS		D
0CW4A18679000	572 281 2166	5- 13	AF	DS		C
0CW4A18680000	572 281 2167	5- 14	AF	DS		C
0CW4A18681000	572 332 0215	5- 15	AM	EG		C
0CW4A18682000	572 110 1213	6- 5	AG	DX		D
0CW4A18683000	572 258 3816	5- 5	AE	DJ		C
0CW4A18684000	572 221 8190	5- 53	AF	DS	N	C
0CW4A18685000	572 407 0114	5- 2	AF	DS		C
0CW4A18686000	572 107 2003	5- 17	AT	EZ		C
0CW4A18687000	572 110 1214	5- 18	AQ	EQ		D
0CW4A18688000	572 287 2207	6- 1	AD	DJ		C
0CW4A18689000	572 355 0274	5- 54	AF	DS	N	C
0CW4A18690000	572 203 0891	6- 21	AH	DX		C
0CW4A18704000	572 323 2163	5- 21	AN	EQ		D
0CW4A18708000	572 704 0107	5- 22	AY	FQ		D
0CW4A18857000	572 174 0355	2- 1	AG	DX		C
0CW4A18858000	572 107 2023	2- 2	BH	HC		D
0CW4A18859000	572 110 1225	4- 1	AH	DX		D
0CW4A18860000	572 110 1226	2- 4	AH	DX		D
0CW4A18862010	572 323 2196	10- 8	AG	DS		D
0CW4A18863000	572 258 3932	4- 44	AE	DJ		C
0CW4A18865000	572 107 2024	2- 30	AQ	EQ		D
0CW4A18866000	572 110 1227	2- 31	AW	FG		D
0CW4A18867000	572 226 0655	2- 33	BA	FX		C
0CW4A18868000	572 240 0436	2- 34	AL	EB		C
0CW4A18869000	572 248 1378	4- 43	AE	DS		C
0CW4A18870000	572 107 2025	2- 7	AY	FQ		D
0CW4A18873000	572 345 3655	10- 32	AQ	EQ		C
0CW4A18875000	572 345 3656	10- 35	AP	EQ		C
0CW4A18876000	572 221 7768	1- 3	AR	EQ		C
0CW4A18877000	572 323 2165	10- 37	AF	DS		D
0CW4A18878000	572 323 2166	10- 38	AF	DS		D
0CW4A18880000	572 323 2167	10- 41	AF	DS		D
0CW4A18881000	572 345 3709	15- 55	AF	DS		C
0CW4A18884000	572 685 2098	16- 34	BF	GN		E
0CW4A18886000	572 231 0532	3- 47	AS	EZ		B
0CW4A18887000	572 231 0533	3- 52	AN	EG		B
0CW4A18888000	572 287 2251	11- 40	AN	EG		C
0CW4A18889000	572 345 3710	10- 13	AD	DJ		C
0CW4A18897000	572 107 2026	2- 11	AY	FQ		D
0CW4A18898000	572 107 2027	2- 16	AK	DX		D
0CW4A18899000	572 107 2028	2- 17	AZ	FQ		D
0CW4A18900000	572 345 3657	4- 24	AK	DX		C
0CW4A18901000	572 345 3658	4- 27	AG	DS		C
0CW4A18902000	572 107 2029	2- 22	BE	GN		D
0CW4A18903000	572 107 2030	2- 23	AX	FG		D
0CW4A18904000	572 174 0357	15- 13	AF	DS		C
0CW4A18905000	572 174 0358	15- 17	AH	DX		C
0CW4A18907000	572 323 2194	15- 23	AH	DX		D
0CW4A18908000	572 226 0664	2- 26	BF	GN		C
0CW4A18909000	572 226 0665	2- 27	BA	FX		C
0CW4A18910000	572 221 7871	1- 34	AH	DX		C
0CW4A18913000	572 970 2323	1- 40	AD	DJ		C
0CW4A18919000	572 221 7769	1- 6	AN	EG		C
0CW4A18920000	572 290 2710	1- 11	AH	DX		D
0CW4A18921000	572 685 2065	1- 25	AH	DX		C
0CW4A18923000	572 203 0871	1- 37	AM	EG		C
0CW4A18935000	572 290 2711	1- 43	AF	DS		C
0CW4A18937000	572 221 7770	1- 33	AN	EQ		C
0CW4A18938000	572 290 2712	1- 32	AH	DX		C
0CW4A18939000	572 287 2208	1- 35	AF	DS		C
0CW4A18944000	572 221 7773	1- 7	AH	DX		C
0CW4A18948000	572 221 7949	4- 42	AN	EG		C
0CW4A18951000	572 214 2221	4- 41	AG	DX		C
//	572 214 2221	9- 20	AG	DX		C
0CW4B10082000	572 403 5191	10- 59	AF	DS	N	C

PARTS CODE	JAPAN ONLY ORDER CODE	NO.	PRICE R.		NEW	P/R
			Ex.	Ja.		
0CW4B10085000	572 240 0461	10- 47	AK	EB	N	C
0CW4B10086000	572 240 0462	10- 9	AL	EB	N	C
0CW4B10087000	572 240 0463	10- 48	AK	EB	N	C
0CW4B10111000	572 214 2311	11- 67	AE	DS	N	C
0CW4B10138000	572 345 3701	10- 23	AU	EZ		C
0CW4B10139000	572 345 3702	10- 61	AE	DS		C
0CW4B10140000	572 352 0349	11- 65	AN	EQ	N	C
0CW4B10144000	572 403 5192	10- 58	AE	DJ	N	C
0CW4B10149000	572 214 2312	11- 66	AD	DJ	N	C
0CW4B10156000	572 403 5193	10- 57	AE	DJ	N	C
0CW4B10390000	572 221 7950	3- 51	AN	EQ		B
0CW4B10394000	572 203 0892	2- 53	AL	EB		C
0CW4B10395000	572 203 0893	2- 52	AL	EB		C
0CW4B10396000	572 345 3715	11- 49	AF	DS		C
0CW4B10398000	572 426 0028	11- 54	AE	DJ		C
0CW4B10476000	572 110 1234	6- 10	AG	DS		D
0CW4B10477000	572 174 0359	6- 12	AG	DS		C
0CW4B10480000	572 345 3716	5- 24	AR	EQ		C
0CW4B10485000	572 917 3611	18- 12	AF	DS		D
0CW4B10486000	572 917 3612	18- 13	AF	DS		D
0CW4B10488000	572 917 3613	18- 11	AF	DS		D
0CW4B10489000	572 917 3614	5- 8	AF	DS		C
0CW4B10490000	572 258 3934	6- 20	AG	DX		C
0CW4B10493000	572 326 0469	5- 25	AE	DS		C
0CW4B10582000	572 258 4182	2- 60	AH	DX	N	C
0CW4B10583000	572 201 0220	2- 24	AE	DJ		C
0CW4B10584000	572 214 2200	2- 43	AD	DJ		C
0CW4B10585000	572 201 0196	2- 25	AD	DJ		C
0CW4B10586010	572 230 0525	4- 4	AC	DJ		C
0CW4B10591000	572 990 0530	11- 56	AF	DS		C
0CW4B10675000	572 258 4072	2- 20	AH	DX	N	C
0CW4B10740000	572 281 2188	15- 53	AE	DS		C
0CW4B10742000	572 345 3659	15- 50	AF	DS		C
0CW4B10743000	572 258 3936	15- 27	AE	DJ		C
0CW4B10744000	572 284 0824	15- 44	AE	DJ		C
0CW4B10746000	572 287 2242	15- 47	AD	DJ		C
0CW4B10754000	572 284 0821	15- 43	AE	DJ		C
0CW4B10774000	572 231 0602	2- 48	AN	EG	N	C
0CW4B10776000	572 704 0109	10- 49	AF	DS		C
0CW4B10778000	572 704 0110	10- 46	AF	DS		C
0CW4B10779000	572 704 0111	10- 45	AF	DS		C
0CW4B10780000	572 248 1379	2- 13	AF	DS		C
0CW4B10785000	572 902 1682	3- 50	AC	DJ		B
0CW4B10846000	572 210 1200	11- 53	AD	DJ		C
0CW4B10847000	572 352 0343	5- 23	AF	DS		D
0CW4B10848000	572 971 0050	2-504	AB	DJ		C
0CW4B10851000	572 345 3703	2- 50	AK	DX		C
0CW4B10855000	572 345 3706	2- 44	AF	DS		C
0CW4F11556000	572 221 7779	3- 27	AG	DX		C
0CW4F11557000	572 221 7780	4- 15	AH	DX		C
0CW4F11558000	572 233 0162	3- 67	AH	DX	N	C
0CW4F11560000	572 233 0163	3- 65	AH	DX	N	C
0CW4F11562000	572 231 0537	7- 15	AT	EZ		C
0CW4F11564000	572 207 0179	10- 53	AW	FG		C
0CW4F11565000	572 213 2179	11- 59	AP	EQ		C
0CW4F11566000	572 233 0164	9- 21	AG	DX	N	C
0CW4F11567010	572 213 2189	12- 76	AS	EQ		C
0CW4F11568010	572 213 2190	12- 78	AY	FQ		C
0CW4F11569000	572 221 7781	13- 75	AK	DX		C
0CW4F11570000	572 221 7782	13- 76	AK	DX		C
0CW4F11679000	572 221 7783	15- 32	AF	DS		C
0CW4F11850000	572 213 2184	5- 52	AU	EZ		B
0CW4F12019000	572 630 1066	7- 6	BD	GN		B
0CW4F12026000	572 630 1074	6- 14	BA	FX		B
0CW4F12053000	572 221 7872	15- 46	AH	DX		C
0CW4F12061010	572 713 0001	5- 50	BS	MJ		B
0CW4G11297010	572 684 3853	5- 1	CA	TR		E
0CW4G14268010	572 685 2099	16-901	DC	**		E
0CW4G14702030	572 684 3907	20-901	BZ	TF		E
0CW4H16449010	572 531 0030	10- 44	AM	EG		B
//	572 531 0030	4- 17	AM	EG		B
0CW4H16450000	572 684 3791	14- 45	AT	EZ		E
0CW4H16452000	572 542 2030	4- 30	AQ	EQ		C
0CW4H16453000	572 542 1946	4- 31	AU	EZ		C
0CW4H16454000	572 542 1947	10- 2	AE	DS		C
//	572 542 1947	4- 13	AE	DS		C
//	572 542 1947	9- 1	AE	DS		C
0CW4H16455000	572 542 1948	10- 10	AK	EB		C
0CW4H16456000	572 542 1949	14- 41	AN	EG		C
0CW4H16458000	572 542 1950	7- 5	AK	DX		C
0CW4H16460000	572 542 1951	3- 41	AP	EQ		C

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0CW4H16461000	572 542 1952	4- 32	AN	EQ		C
0CW4H16462000	572 542 1953	4- 33	AL	EB		C
0CW4H16464000	572 542 1955	10- 26	AN	EQ		C
0CW4H16465000	572 542 1956	4- 35	AQ	EQ		C
0CW4H16467000	572 542 1958	3- 43	AP	EQ		C
0CW4H16468000	572 542 1959	8- 22	AY	FQ		C
0CW4H16502000	572 684 3792	16- 37	AE	DS		E
0CW4H16503000	572 684 3793	16- 38	AH	DX		E
0CW4H16504000	572 542 1960	16- 39	AK	DX		C
0CW4H16505000	572 542 1961	16- 40	AH	DX		C
0CW4H16506000	572 542 1962	15- 41	AW	FG		C
0CW4H16507000	572 684 3794	6- 16	AK	DX		E
0CW4H16508000	572 684 3795	6- 17	AK	DX		E
0CW4H16511000	572 542 1963	4- 37	AE	DS		C
0CW4H16512000	572 542 1964	3- 16	AF	DS		C
0CW4H16514000	572 542 1965	5- 3	AP	EQ		C
0CW4H16515000	572 542 1966	5- 4	AH	DX		C
0CW4H16523000	572 542 1967	6- 2	BA	FX		C
0CW4H16524000	572 542 1968	5- 6	AV	FG		C
0CW4H16530000	572 542 1969	5- 20	AG	DX		C
0CW4H16531000	572 542 1970	6- 15	AP	EQ		C
0CW4H16537000	572 684 3796	5- 11	AF	DS		E
0CW4H16538000	572 684 3797	5- 12	AF	DS		E
0CW4H16546030	572 573 2509	20- 1	AY	FQ		B
0CW4H16552000	572 542 2031	2- 5	AQ	EQ		C
0CW4H16553000	572 542 2032	4- 36	AS	EQ		C
0CW4H16602000	572 542 2078	3- 42	AU	EZ		C
0CW4K11066000	572 630 1053	10- 34	BE	GN		B
0CW4K11067000	572 630 1054	10- 11	BA	FX		B
0CW4K11069000	572 630 1056	8- 19	BR	LX		B
0CW4K11070000	572 630 1057	15- 42	BE	GN		B
0CW4K11078000	572 630 1059	5- 19	BB	FX		B
0CW4K11080000	572 630 1068	3- 35	BF	GN		B
0CW4K14040000	572 318 0570	12- 42	BB	GD		B
0CW4S10280000	572 258 4071	15- 45	AE	DS		C
0CW4S12048000	572 258 4073	2- 18	AL	EB	N	C
0CW4S12049000	572 258 4074	2- 19	AL	EB	N	C
0CW4S19048000	572 970 2300	13- 43	AC	DJ		C
0CW4S19049000	572 970 2301	8- 23	AD	DJ		C
0CW4S19076000	572 970 2302	15- 21	AC	DJ		C
0CW4S19077000	572 970 2303	3- 26	AC	DJ		C
//	572 970 2303	4- 2	AC	DJ		C
0CW4XF2130900	572 271 0818	16- 16	AT	EZ	N	B
0CW616371////	572 906 0067	17- 22	AA	DJ		D
//	572 906 0067	18- 8	AA	DJ		D
0CW70059JR68/	572 581 2209	21- 52	AG	DX	N	C
0CW70184F820/	572 581 2210	21- 76	AD	DJ	N	C
0CW70186J752/	572 581 2211	21- 69	AD	DJ	N	C
0CW70225J332/	572 581 2212	21- 70	AD	DJ	N	C
0CW70228J100/	572 581 2213	21- 55	AD	DJ	N	C
0CW70228J471/	572 581 2214	21- 72	AD	DJ	N	C
0CW70228J513/	572 581 2215	21- 53	AD	DJ	N	C
0CW70228J563/	572 581 2216	21- 54	AD	DJ	N	C
0CW70231F103/	572 581 2217	21- 71	AD	DJ	N	C
0CW70231F184/	572 581 2218	21- 64	AD	DJ	N	C
0CW70231F202/	572 581 2219	21- 57	AD	DJ	N	C
0CW70231F242/	572 581 2220	21- 66	AD	DJ	N	C
0CW70231F332/	572 581 2221	21- 60	AD	DJ	N	C
0CW70231F3831	572 581 2222	21- 56	AD	DJ	N	C
0CW70231F433/	572 581 2223	21- 74	AD	DJ	N	C
0CW70231F512/	572 581 2224	21- 65	AD	DJ	N	C
0CW70231F562/	572 581 2225	21- 61	AD	DJ	N	C
0CW70240J102/	572 581 2226	21- 73	AD	DJ	N	C
0CW70246J1R0/	572 581 2228	21- 62	AD	DJ	N	C
0CW70246JR33/	572 581 2227	21- 63	AD	DJ	N	C
0CW70247J331/	572 581 2229	21- 58	AD	DJ	N	C
0CW70248J821/	572 581 2230	21- 59	AD	DJ	N	C
0CW70250JR10/	572 581 2231	21- 67	AD	DJ	N	C
0CW70254J4R7/	572 581 2232	21- 68	AG	DX	N	C
0CW70266J221/	572 581 2233	21- 75	AD	DJ	N	C
0CW71051J101/	572 631 0298	21- 78	AD	DJ	N	C
0CW71051J103/	572 631 0299	21- 77	AD	DJ	N	C
0CW73388J1011	572 593 0408	21- 3	AB	DJ	N	C
0CW73388J1501	572 593 0409	21- 4	AB	DJ	N	C
0CW73388J3001	572 593 0410	21- 5	AD	DJ	N	C
0CW73495K2221	572 593 0411	21- 2	AB	DJ	N	C
0CW73496J2211	572 593 0412	21- 10	AD	DJ	N	C
0CW73498M2271	572 593 0413	21- 6	AH	DX	N	C
0CW73498M4771	572 593 0414	21- 7	AL	EB	N	C
0CW73532M6861	572 593 0415	21- 9	AF	DS	N	C
0CW73537K1022	572 593 0416	21- 11	AD	DJ	N	C

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0CW73543M1061	572 593 0417	21- 8	AD	DJ	N	C
0CW74034E05SN	572 510 1336	21- 17	AF	DS	N	C
0CW74267E06SN	572 510 1337	21- 14	AD	DJ	N	C
0CW74267E07SN	572 510 1338	21- 19	AD	DJ	N	C
0CW74267E12SN	572 510 1339	21- 18	AE	DJ	N	C
0CW74269BK32S	572 527 0131	21- 37	AF	DS	N	C
0CW74291E03SN	572 510 1340	21- 13	AF	DS	N	C
0CW74291E06SN	572 510 1341	21- 15	AE	DS	N	C
0CW74440E06SN	572 510 1342	21- 26	AD	DJ	N	C
0CW74440E07SN	572 510 1343	21- 24	AF	DS	N	C
0CW74455BK08S	572 527 0132	21- 41	AF	DS	N	C
0CW74477E02SN	572 510 1344	21- 25	AD	DJ	N	C
0CW74477E03SN	572 510 1345	21- 27	AF	DS	N	C
0CW74477E04SN	572 510 1346	21- 28	AD	DJ	N	C
0CW74477E05SN	572 510 1347	21- 23	AD	DJ	N	C
0CW74477E09SN	572 510 1348	21- 20	AD	DJ	N	C
0CW74477E10SN	572 510 1349	21- 16	AF	DS	N	C
0CW74477E12SN	572 510 1350	21- 22	AF	DS	N	C
0CW74477E15SN	572 510 1351	21- 21	AF	DS	N	C
0CW7703208F//	572 573 2830	21- 42	AG	DX	N	B
0CW7703232F//	572 573 2831	21- 44	AG	DX	N	B
0CW7704702///	572 573 2832	21- 39	AF	DS	N	B
0CWFB55968000	572 221 7869	6- 11	AH	DX		C
0CWFB55969000	572 272 0798	6- 22	AE	DJ		C
0CWFB56775000	572 221 7870	6- 9	AH	DX		C
0CWFC15034000	572 970 2311	15- 19	AC	DJ		C
0CWFC21175000	572 970 2312	14- 35	AC	DJ		C
0CWFC22120000	572 970 2313	10- 3	AC	DJ		C
//	572 970 2313	11- 8	AC	DJ		C
//	572 970 2313	12- 44	AC	DJ		C
//	572 970 2313	13- 44	AC	DJ		C
//	572 970 2313	1- 39	AC	DJ		C
//	572 970 2313	14- 44	AC	DJ		C
//	572 970 2313	15- 54	AC	DJ		C
//	572 970 2313	17- 2	AC	DJ		C
//	572 970 2313	2- 28	AC	DJ		C
//	572 970 2313	3- 4	AC	DJ		C
//	572 970 2313	3- 59	AC	DJ		C
//	572 970 2313	4- 3	AC	DJ		C
//	572 970 2313	5- 7	AC	DJ		C
//	572 970 2313	7- 7	AC	DJ		C
//	572 970 2313	8- 13	AC	DJ		C
//	572 970 2313	9- 2	AC	DJ		C
0CWFC25031000	572 970 2314	8- 17	AC	DJ		C
0CWFC25034000	572 970 2315	10- 12	AB	DJ		C
//	572 970 2315	3- 36	AB	DJ		C
//	572 970 2315	7- 8	AB	DJ		C
0CWFC25035000	572 970 2316	16- 20	AC	DJ		C
0CWFC25827000	572 214 2139	10- 29	AE	DJ		C
//	572 214 2139	11- 9	AE	DJ		C
//	572 214 2139	12- 46	AE	DJ		C
//	572 214 2139	13- 46	AE	DJ		C
//	572 214 2139	14- 46	AE	DJ		C
//	572 214 2139	2- 6	AE	DJ		C
//	572 214 2139	3- 28	AE	DJ		C
//	572 214 2139	4- 5	AE	DJ		C
//	572 214 2139	7- 9	AE	DJ		C
//	572 214 2139	9- 6	AE	DJ		C
0CWFC30661000	572 214 2140	1- 36	AC	DJ		C
//	572 214 2140	15- 18	AC	DJ		C
0CWFC30779000	572 970 2278	1- 41	AC	DJ		C
//	572 970 2278	15- 33	AC	DJ		C
0CWFF60507000	572 214 2141	6- 7	AV	FG		C
0CWFF60508000	572 214 2142	6- 8	AV	FG		C
0CWFS19009000	572 970 2317	3- 5	AC	DJ		C
0CWFS19102000	572 970 2279	6- 3	AC	DJ		C
0CWFS21615000	572 272 0788	14- 47	AS	EZ		C
//	572 272 0788	8- 14	AS	EZ		C
0CWFS21672000	572 204 0453	10- 30	AD	DJ		C
//	572 204 0453	11- 27	AD	DJ		C
//	572 204 0453	12- 48	AD	DJ		C
//	572 204 0453	14- 48	AD	DJ		C
//	572 204 0453	4- 6	AD	DJ		C
//	572 204 0453	7- 10	AD	DJ		C
0CWFS26593000	572 287 2238	1- 29	AD	DJ		C
0CWFS56528000	572 287 2182	6- 4	AE	DJ		C
0CWHW050FZS00	572 990 0531	13- 82	AB	DJ		C
0CWPF4110K002	572 902 1635	17- 3	BG	GT		D
0CWRA22452000	572 272 0794	15- 52	AC	DJ		C
0CWVT20002018	572 413 0786	4- 48	AE	DJ	N	C
0CWVT25019030	572 345 3929	4- 47	AE	DS	N	C

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0CWVT25171030	572 413 0787	4- 49	AE	DS	N	C
0CWWA70484000	572 573 2418	20- 2	AN	EG		B
//	572 573 2418	5- 51	AN	EG		B
0CWWG85362000	572 573 2419	10- 14	AH	DX		B
//	572 573 2419	11- 28	AH	DX		B
//	572 573 2419	12- 54	AH	DX		B
//	572 573 2419	3- 25	AH	DX		B
//	572 573 2419	4- 7	AH	DX		B
//	572 573 2419	5- 16	AH	DX		B
//	572 573 2419	6- 6	AH	DX		B
//	572 573 2419	7- 11	AH	DX		B
//	572 573 2419	9- 16	AH	DX		B
0CWWG85421000	572 568 0132	8- 20	AR	EQ		B
0CWXB12300605	572 970 2280	15-502	AB	DJ		C
//	572 970 2280	6-501	AB	DJ		C
0CWXB12300805	572 970 2281	6-507	AB	DJ		C
0CWXB12400605	572 970 2282	5-501	AB	DJ		C
0CWXB12400606	572 970 2319	10- 60	AB	DJ		C
//	572 970 2319	1-503	AB	DJ		C
0CWXB12400607	572 970 2283	10- 67	AB	DJ		C
//	572 970 2283	15-505	AB	DJ		C
//	572 970 2283	1- 9	AB	DJ		C
//	572 970 2283	2-501	AB	DJ		C
0CWXB12400805	572 970 2284	6-508	AB	DJ		C
0CWXB12401005	572 970 2285	13-501	AB	DJ		C
0CWXB12401006	572 970 2320	1-502	AB	DJ		C
0CWXB24300605	572 970 2286	5-504	AB	DJ		C
0CWXB24300805	572 970 2287	6-505	AB	DJ		C
0CWXB47300607	572 970 2288	2-503	AB	DJ		C
0CWXB47300805	572 970 2289	5-502	AB	DJ		C
//	572 970 2289	6-502	AB	DJ		C
0CWXB47301209	572 970 2290	6-504	AB	DJ		C
0CWXB47401006	572 970 2322	1-505	AB	DJ		C
//	572 970 2322	2-505	AB	DJ		C
0CWXB47401007	572 970 2291	10-501	AB	DJ		C
//	572 970 2291	11-502	AB	DJ		C
//	572 970 2291	1-501	AB	DJ		C
//	572 970 2291	15-503	AB	DJ		C
//	572 970 2291	2-502	AB	DJ		C
//	572 970 2291	3-502	AB	DJ		C
//	572 970 2291	4-501	AB	DJ		C
0CWXD11104629	572 990 0525	5-503	AC	DJ		C
0CWXD12300142	572 218 0589	3-503	AC	DJ		C
0CWXD21100402	572 399 0242	13- 81	AC	DJ		C
//	572 399 0242	1- 46	AC	DJ		C
0CWXD21100502	572 981 0028	15-501	AC	DJ		C
//	572 981 0028	16-501	AC	DJ		C
//	572 981 0028	6-503	AC	DJ		C
0CWXD21100642	572 981 0029	15-504	AC	DJ		C
//	572 981 0029	16-504	AC	DJ		C
//	572 981 0029	6-506	AC	DJ		C
0CWXD32200102	572 218 0590	10-503	AC	DJ		C
//	572 218 0590	11-501	AC	DJ		C
//	572 218 0590	12-502	AC	DJ		C
//	572 218 0590	14-502	AC	DJ		C
0CWXD32200122	572 218 0591	10-502	AC	DJ		C
//	572 218 0591	4-502	AC	DJ		C
//	572 218 0591	7-501	AC	DJ		C
//	572 218 0591	8-503	AC	DJ		C
0CWXD32200142	572 218 0592	13-503	AC	DJ		C
//	572 218 0592	16-508	AC	DJ		C
//	572 218 0592	3-501	AC	DJ		C
//	572 218 0592	7-502	AC	DJ		C
//	572 218 0592	8-501	AC	DJ		C
0CWXD32300122	572 218 0593	16-506	AC	DJ		C
0CWXD32300142	572 218 0594	14-504	AD	DJ		C
//	572 218 0594	15-507	AD	DJ		C
0CWXD32300162	572 218 0595	12-505	AC	DJ		C
0CWXD32300182	572 218 0596	14-506	AC	DJ		C
//	572 218 0596	8-502	AC	DJ		C
0CWXF21309000	572 271 0816	16- 42	AT	EZ		B
0CWXF21604940	572 271 0690	11- 29	AL	EB		B
0CWXF21605040	572 271 0691	3- 46	AL	EB		B
0CWXF21606140	572 271 0692	10- 4	AL	EB		B
0CWXF21607240	572 271 0693	14- 49	AN	EG		B
0CWXF21607440	572 271 0694	4- 18	AK	DX		B
0CWXF21607640	572 271 0695	11- 30	AN	EG		B
0CWXF21608040	572 271 0696	7- 12	AN	EG		B
0CWXF21618840	572 271 0697	3- 40	AP	EQ		B
0CWXF21619860	572 271 0698	3- 39	AQ	EQ		B
0CWXF21804070	572 271 0735	15- 49	AQ	EQ		B

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0CWXF21807000	572 271 0699	8- 15	AP	EQ		B
0CWXF21817960	572 271 0701	3- 38	AS	EZ		B

PARTS CODE	JAPAN ONLY ORDER CODE	NO.	PRICE R.		NEW	P/R
			Ex.	Ja.		

Memo

Memo

Memo

注 意

・電池を正しく交換しないと爆発を起こす危険がある。

・機器製造者が指定したものと同一型名のもの、又は、
その同等の電池とのみ交換すること。

・使用済みの電池は、製造者の指示に従って処分すること。

CAUTION FOR BATTERY REPLACEMENT

(Danish) ADVARSEL !
Lithiumbatteri – Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri
af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandoren.

(English) Caution !
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type
recommended by the manufacturer.
Dispose of used batteries according to manufacturer's instructions.

(Finnish) VAROITUS
Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan
tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden
mukaisesti.

(French) ATTENTION
Il y a danger d'explosion s' il y a remplacement incorrect
de la batterie. Remplacer uniquement avec une batterie du
même type ou d'un type équivalent recommandé par
le constructeur.
Mettre au rebut les batteries usagées conformément aux
instructions du fabricant.

(Swedish) VARNING
Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent
typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt fabrikantens
instruktion.

(German) Achtung
Explosionsgefahr bei Verwendung inkorrekter Batterien.
Als Ersatzbatterien dürfen nur Batterien vom gleichen Typ oder
vom Hersteller empfohlene Batterien verwendet werden.
Entsorgung der gebrauchten Batterien nur nach den vom
Hersteller angegebenen Anweisungen.

CAUTION FOR BATTERY DISPOSAL

(For USA, CANADA)
Contains lithium-ion battery. Must be disposed of properly.
Remove the battery from the product and contact
federal or state environmental
agencies for information on recycling and disposal options.

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